



SEQUENCE LISTING

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<120> SIGNAL PEPTIDE-CONTAINING MOLECULES

<130> 039386-1568

<140> 10/820,474
<141> 2004-04-07

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<150> PCT/US99/14484
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<150> 60/090,762
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<151> 1998-10-01

<160> 269

<170> PatentIn version 3.3

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Ala Pro Ala Ala Ala Ala Leu Ser Glu Phe Thr Gln Glu Gln His
20 25 30

Asp Gly Ala Gln Pro Ser Pro Lys Cys Leu Ala Glu Glu Leu Gly Asp
 35 40 45

Ala Trp Thr Ile Gln Ile Glu Ala Asn Trp Lys Tyr Arg Ala Val Asn
 50 55 60

Thr Asn Gln Arg Gly Lys Leu Leu Ala Ser Glu Thr Trp Lys Gly Arg
 65 70 75 80

Arg Asn Thr Phe Phe Phe Leu Pro
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 Met Trp Pro Ala Gly Leu Gly Arg Ser Leu Leu Ala Gln Pro Ala Leu
 1 5 10 15

Cys Ser Phe Met Gly Pro Gln Trp Ile Leu Gln Phe Cys Ser Trp Leu
 20 25 30

Glu Pro Arg Gln Leu Arg Trp Ser Trp Thr Glu Pro Pro Phe Thr Leu
 35 40 45

Leu Asp Ser Leu Gly Leu Arg Ala Ala Gln Asp Ser Cys Ser Phe Thr
 50 55 60

Thr Leu Val Pro Leu Thr Leu Asp Ser Ser Phe Met Thr Val Asn Val
 65 70 75 80

Val Pro Phe Val Trp Thr Ser Ser Phe Phe Arg Ala Phe Gln Tyr Pro
 85 90 95

Val Thr Ser Pro Cys Arg Thr Lys Asn Thr Pro Leu Leu Ile Asp Gly
 100 105 110

Val Thr Arg Ile Gln Ala Thr Trp Pro Glu Ala Arg Ser Gln His Glu
 115 120 125

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 Met Gly Leu Leu Leu Leu Val Leu Phe Leu Ser Leu Leu Pro Val Ala
 1 5 10 15

Tyr Thr Ile Met Ser Leu Pro Pro Ser Phe Asp Cys Gly Pro Phe Arg
 20 25 30

Cys Arg Val Ser Val Ala Arg Glu His Leu Pro Ser Arg Gly Ser Leu
 35 40 45

Leu Arg Gly Pro Arg Pro Arg Ile Pro Val Leu Val Ser Cys Gln Pro
 50 55 60

Val Lys Gly His Gly Thr Leu Gly Glu Ser Pro Met Pro Phe Lys Arg
 65 70 75 80

Val Phe Cys Gln Asp Gly Asn Val Arg Ser Phe Cys Val Cys Ala Val
 85 90 95

His Phe Ser Ser His Gln Pro Pro Val Ala Val Glu Cys Leu Lys
 100 105 110

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 Met Trp Arg Leu Arg Arg Asn Leu Ala Leu Pro Pro Gly Lys Leu Ala
 1 5 10 15

Trp Leu Tyr Leu Ser Val Phe Ser Gln Gly Ser Arg Ala Met Met Ser
 20 25 30

Leu Thr Glu Ile Arg Leu Lys His Met Leu Glu Ile Trp His Gly Arg
 35 40 45

Gln Ala Arg Ala Cys Glu Asn Leu Arg Asn Gln Thr Arg Val Ala Thr
 50 55 60

Lys Val Glu Pro Gln Lys Gly Arg Ser Thr Glu Ile Cys Cys Leu Ala
 65 70 75 80

Val Val Pro Leu Asn Glu Val Val Gln Ser Ser Ile Leu Trp Trp Val
 85 90 95

Trp Ser Cys Cys Gln His Gln Glu Asp Lys Leu Gly Ala Lys
 100 105 110

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 1 5 10 15

Cys Phe Leu Pro Val Ser Gln Arg Lys Ala Thr Ser Lys Lys Leu Leu
 20 25 30

Leu Lys Ala Arg Lys Lys Ser Gly Phe Glu Leu Ser Val Thr Asp Ser
 35 40 45

Ser Glu Cys Phe Arg Val Thr Ala Ser Val Arg Gly Met Lys Asn Arg
 50 55 60

His Ala Lys Gly Asn Gly Cys Thr Arg Asp Pro Cys Phe Gly
 65 70 75

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Met Trp Pro Ser Gln Val Pro Leu Leu Ala Phe Cys Phe Leu Leu Val
 1 5 10 15

Lys Ser Thr Ser Asn Ile Asn Leu Pro Thr Pro Pro Pro Ser Ser Leu
 20 25 30

Glu Asn Ser Ser Phe Val Val Ser Gln Arg Gly Asn Leu Ile Val Phe
 35 40 45

Gly Gly Gln Lys Lys Ala Thr Phe Arg Tyr His Phe Tyr Leu Asp Arg
 50 55 60

Met Pro Phe Tyr Ser Gln Ile Ser Val Tyr Phe Val Asn Gly Phe Arg
 65 70 75 80

Val Asn Gly Tyr Leu Cys Asn Asn
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Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Leu Leu Leu Gln Pro Pro
 1 5 10 15

Ala Phe Leu Gln Pro Gly Gly Ser Thr Gly Ser Gly Pro Ser Tyr Leu
 20 25 30

Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met Gly Gly Ser
 35 40 45

Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu Leu Ala Ile Val
 50 55 60

Pro Asn Val Arg Ile Ser Trp Arg Arg Gly His Phe His Gly Gln Ser
 65 70 75 80

Phe Tyr Ser Thr Arg Pro Pro Ser Ile His Lys Asp Tyr Val Asn Arg
 85 90 95

Leu Phe Leu Asn Trp Thr Glu Gly Gln Glu Ser Gly Phe Leu Arg Ile
 100 105 110

Ser Asn Leu Arg Lys Glu Asp Gln Ser Val Tyr Phe Cys Arg Val Glu
 115 120 125

Leu Asp Thr Arg Arg Ser Gly Arg Gln Gln Leu Gln Ser Ile Lys Gly
 130 135 140

Thr Lys Leu Thr Ile Thr Gln Ala Val Thr Thr Thr Thr Thr Trp Arg
 145 150 155 160

Pro Ser Ser Thr Thr Thr Ile Ala Gly Leu Arg Val Thr Glu Ser Lys
 165 170 175

Gly His Ser Glu Ser Trp His Leu Ser Leu Asp Thr Ala Ile Arg Val
 180 185 190

Ala Leu Ala Val Ala Val Leu Lys Thr Val Ile Leu Gly Leu Leu Cys
 195 200 205

Leu Leu Leu Leu Trp Trp Arg Arg Arg Lys Gly Ser Arg Ala Pro Ser
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Ser Asp Phe
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 1 5 10 15

Leu Ser Cys Leu Ala Leu Ser Val Leu Leu Leu Ala Gln Leu Ser Asp
 20 25 30

Ala Ala Lys Asn Phe Glu Asp Val Arg Cys Lys Cys Ile Cys Pro Pro
 35 40 45

Tyr Lys Glu Asn Ser Gly His Ile Tyr Asn Lys Asn Ile Ser Gln Lys
50 55 60

Asp Cys Asp Cys Leu His Val Val Glu Pro Met Pro Val Arg Gly Pro
65 70 75 80

Asp Val Glu Ala Tyr Cys Leu Arg Cys Glu Cys Lys Tyr Glu Glu Arg
85 90 95

Ser Ser Val Thr Ile Lys Val Thr Ile Ile Ile Tyr Leu Ser Ile Leu
100 105 110

Gly Leu Leu Leu Leu Tyr Met Val Tyr Leu Thr Leu Val Glu Pro Ile
115 120 125

Leu Lys Arg Arg Leu Phe Gly His Ala Gln Leu Ile Gln Ser Asp Asp
130 135 140

Asp Ile Gly Asp His Gln Pro Phe Ala Asn Ala His Asp Val Leu Ala
145 150 155 160

Arg Ser Arg Ser Arg Ala Asn Val Leu Asn Lys Val Glu Tyr Ala Gln
165 170 175

Gln Arg Trp Lys Leu Gln Val Gln Glu Gln Arg Lys Ser Val Phe Asp
180 185 190

Arg His Val Val Leu Ser
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<210> 9

<211> 65

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<223> Incyte Clone No: 1297384

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Met Met Pro Arg Leu Leu Gly Leu Gly Gly Leu Phe Ser Phe Gly Gly
1 5 10 15

Leu Pro Leu Leu Leu Leu Phe Phe Gln Arg Ser Arg Ala Ser Leu Ala
20 25 30

Ser Ser Ser Thr Gly Leu Trp Ile Asn Gln Leu Pro Lys Gly Cys Thr
 35 40 45

Cys Arg Val Val Trp Ala Cys Ile Pro Asp Val Leu Glu Tyr Ala Trp
 50 55 60

Met
 65

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 Met Asp Ala Pro Arg Leu Pro Val Arg Pro Gly Val Leu Leu Pro Lys
 1 5 10 15

Leu Val Leu Leu Phe Val Tyr Ala Asp Asp Cys Leu Ala Gln Cys Gly
 20 25 30

Lys Asp Cys Lys Ser Tyr Cys Cys Asp Gly Thr Thr Pro Tyr Cys Cys
 35 40 45

Ser Tyr Tyr Ala Tyr Ile Gly Asn Ile Leu Ser Gly Thr Ala Ile Ala
 50 55 60

Gly Ile Val Phe Gly Ile Val Phe Ile Met Gly Val Ile Ala Gly Ile
 65 70 75 80

Ala Ile Cys Ile Cys Met Cys Met Lys Asn His Arg Ala Thr Arg Val
 85 90 95

Gly Ile Leu Arg Thr Thr His Ile Asn Thr Val Ser Ser Tyr Pro Gly
 100 105 110

Pro Pro Pro Tyr Gly His Asp His Glu Met Glu Tyr Cys Ala Asp Leu
 115 120 125

Pro Pro Pro Tyr Ser Pro Thr Pro Gln Gly Pro Ala Gln Arg Ser Pro
 130 135 140

Pro Pro Pro Tyr Pro Gly Asn Ala Arg Lys
 145 150

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 Met Lys Pro Leu Val Leu Leu Val Ala Leu Leu Leu Trp Pro Ser Ser
 1 5 10 15

Val Pro Ala Tyr Pro Ser Ile Thr Val Thr Pro Asp Glu Glu Gln Asn
 20 25 30

Leu Asn His Tyr Ile Gln Val Leu Glu Asn Leu Val Arg Ser Val Pro
 35 40 45

Ser Gly Glu Pro Gly Arg Glu Lys Lys Ser Asn Ser Pro Lys His Val
 50 55 60

Tyr Ser Ile Ala Ser Lys Gly Ser Lys Phe Lys Glu Leu Val Thr His
 65 70 75 80

Gly Asp Ala Ser Thr Glu Asn Asp Val Leu Thr Asn Pro Ile Ser Glu
 85 90 95

Glu Thr Thr Thr Phe Pro Thr Gly Gly Phe Thr Pro Glu Ile Gly Lys
 100 105 110

Lys Lys His Thr Glu Ser Thr Pro Phe Trp Ser Ile Lys Pro Asn Asn
 115 120 125

Val Ser Ile Val Leu His Ala Glu Glu Pro Tyr Ile Glu Asn Glu Glu
 130 135 140

Pro Glu Pro Glu Pro Glu Pro Ala Ala Lys Gln Thr Glu Ala Pro Arg
 145 150 155 160

Met Leu Pro Val Val Thr Glu Ser Ser Thr Ser Pro Tyr Val Thr Ser
 165 170 175

Tyr Lys Ser Pro Val Thr Thr Leu Asp Lys Ser Thr Gly Ile Glu Ile
 180 185 190

Ser Thr Glu Ser Glu Asp Val Pro Gln Leu Ser Gly Glu Thr Ala Ile
 195 200 205

Glu Lys Pro Glu Ser Trp Lys His Gln Arg Val Gly Tyr Asp Ala Phe
 210 215 220

Glu Lys Asn Leu Val Leu Ile Thr Met His Arg His Phe
 225 230 235

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Met Thr Pro Glu Gly Val Gly Leu Thr Thr Ala Leu Arg Val Leu Cys
 1 5 10 15

Asn Val Ala Cys Pro Pro Pro Pro Val Glu Gly Gln Gln Lys Asp Leu
 20 25 30

Lys Trp Asn Leu Ala Val Ile Gln Leu Phe Ser Ala Glu Gly Met Asp
 35 40 45

Thr Phe Ile Arg Val Leu Gln Lys Leu Asn Ser Ile Leu Thr Gln Pro
 50 55 60

Trp Arg Leu His Val Asn Met Gly Thr Thr Leu His Arg Val Thr Thr
 65 70 75 80

Ile Ser Met Ala Arg Cys Thr Leu Thr Leu Leu Lys Thr Met Leu Thr
 85 90 95

Glu Leu Leu Arg Gly Gly Ser Phe Glu Phe Lys Asp Met Arg Val Pro
 100 105 110

Ser Ala Leu Val Thr Leu His Met Leu Leu Cys Ser Ile Pro Leu Ser
 115 120 125

Gly Arg Leu Asp Ser Asp Glu Gln Lys Ile Gln Asn Asp Ile Ile Asp
 130 135 140

Ile Leu Leu Thr Phe Thr Gln Gly Val Asn Glu Lys Leu Thr Ile Ser
 145 150 155 160

Glu Glu Thr Leu Ala Asn Asn Thr Trp Ser Leu Met Leu Lys Glu Val
 165 170 175

Leu Ser Ser Ile Leu Lys Val Pro Glu Gly Phe Phe Ser Gly Leu Ile
 180 185 190

Leu Leu Ser Glu Leu Leu Pro Leu Pro Leu Pro Met Gln Thr Thr Gln
 195 200 205

Val Ser Leu Pro Tyr Asn Met His Leu Ile Asn Asp Cys Ser Asn Thr
 210 215 220

Phe
 225

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 Met Pro Ser Pro Gly Thr Val Cys Ser Leu Leu Leu Leu Gly Met Leu
 1 5 10 15

Trp Leu Asp Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro Glu His
 20 25 30

Gln Arg Val Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro Ala Lys Leu
 35 40 45

Gln Pro Arg Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln
 50 55 60

Ala Glu Gly Ala Glu Asp Glu Leu Glu Val Arg Phe Asn Ala Pro Phe
 65 70 75 80

Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr Gln Gln His Ser Gln
 85 90 95

Ala Leu Gly Lys Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu
 100 105 110

Ala Pro Ala Asp Lys
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Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
 1 5 10 15

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
 20 25 30

Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
 35 40 45

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
 50 55 60

Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg
 65 70 75 80

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
 85 90 95

Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr
 100 105 110

Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly
 115 120 125

Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro
 130 135 140

Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys
145 150 155 160

Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu
165 170 175

His Leu Leu Ala Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val
180 185 190

Ala Gly Ile Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val
195 200 205

Ser Gly Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro
210 215 220

Leu Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn
225 230 235 240

Arg Lys Glu Tyr Thr Leu Met Lys Ala Tyr Arg Val Ala
245 250

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Met Ser Leu Pro Ile Pro Trp Leu Ser Leu Pro Pro Cys Pro Ile Leu
1 5 10 15

Gly Gln Pro Ala Gly Leu Leu Leu Trp Leu Phe Arg Pro Phe Ser Gln
20 25 30

Cys Cys Gln Cys Pro Trp Glu Gly Arg Ala Ser Leu Arg His Pro Asn
35 40 45

Gly Pro Ser Gly Cys Arg Glu Ala Glu Ala Trp Pro Gln Arg Ser Leu
50 55 60

Leu Arg Gln Gln Leu Gln Gln Ala His Pro Leu Pro Thr Leu Pro Thr
65 70 75 80

Pro Glu Arg Leu Pro Glu Gln Met Leu Phe Pro Ser Ser Ser Ser Lys
 85 90 95

Pro Phe Ser Leu Leu Ser Leu Thr Ile Trp Ala Arg Leu Val Gly Arg
 100 105 110

Leu Thr Asn Arg Ile Cys Pro Val Pro Pro Gly Ser Val Ala Ser Ser
 115 120 125

Met Ser Leu Gln Ala Gly Arg Cys Gly Asn Pro Val Val Leu Pro Gln
 130 135 140

Pro Met Pro Pro Gly Leu Leu Cys Met Asn Glu Cys Ser Leu Val Pro
 145 150 155 160

Gly Leu Gly Arg Gly Gln Val Asn Ser Arg Val
 165 170

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 Met Gly Ser Gly Leu Pro Leu Val Leu Leu Leu Thr Leu Leu Gly Ser
 1 5 10 15

Ser His Gly Thr Gly Pro Gly Met Thr Leu Gln Leu Lys Leu Lys Glu
 20 25 30

Ser Phe Leu Thr Asn Ser Ser Tyr Glu Ser Ser Phe Leu Glu Leu Leu
 35 40 45

Glu Lys Leu Cys Leu Leu Leu His Leu Pro Ser Gly Thr Ser Val Thr
 50 55 60

Leu His His Ala Arg Ser Gln His His Val Val Cys Asn Thr
 65 70 75

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 Met Lys Leu Leu Ser Cys Leu Leu Phe Leu Lys Ala Pro Leu Tyr Pro
 1 5 10 15

Thr Leu Cys Ser Lys Asp Pro Arg Ala Gly His Ser Leu Ile Cys Gly
 20 25 30

Gln Ala Gly Gln Ile Pro Glu Ala Gln Leu Gly Phe Ser Ser Asp Phe
 35 40 45

Lys Leu Cys Trp Cys Trp Asp Gln Gln Lys Ala Asn Val Gln Pro Thr
 50 55 60

His Arg Thr Val Arg Gly Leu
 65 70

<210> 18
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 Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
 1 5 10 15

Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
 20 25 30

Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
100 105 110

Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
115 120 125

Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
130 135 140

Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
145 150 155 160

Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
165 170 175

Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
180 185

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Met Lys Ala Gln Pro Leu Glu Ala Leu Leu Leu Val Ala Leu Val Leu
1 5 10 15

Ser Phe Cys Gly Val Trp Phe Glu Asp Trp Leu Ser Lys Trp Arg Phe
20 25 30

Gln Cys Ile Phe Gln Leu Ala His Gln Pro Ala Leu Val Asn Ile Gln
35 40 45

Phe Arg Gly Thr Val Leu Gly Ser Glu Thr Phe Leu Gly Ala Glu Glu
50 55 60

Asn Ser Ala Asp Val Arg Ser Trp Gln Thr Leu Ser Tyr Phe Glu Leu
65 70 75 80

<210> 20
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<400> 20
 Met Ile Asp Leu Trp Leu Pro Ala Leu Phe Val Leu Val Ala Leu Glu
 1 5 10 15
 Ser Leu Leu Leu Ser Pro Cys Pro Gly Thr Ser Ser Thr Leu Thr Arg
 20 25 30
 Thr Phe Phe Pro Ser Leu Val Ser Cys Val Gln Val Pro Phe Ser Trp
 35 40 45
 Ile Pro Cys Leu Glu Cys Phe Leu Ile Tyr Phe Leu Ile Leu Ala Glu
 50 55 60
 Asp Val Leu Gln Leu Phe Ser Gly Asn Ala Asn Met Gln Val Asn Gln
 65 70 75 80

<210> 21
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 Met Gln Arg Pro Phe Leu Ser Val Pro Cys Leu Leu Leu Leu Pro Ala
 1 5 10 15
 Arg Val Val Trp Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp Gly Gly
 20 25 30
 Gly Cys Pro Thr Pro Ser Ser Gly Arg Ile Lys Leu Leu Gln Gln Cys
 35 40 45
 Leu Leu His Pro Ser Leu Arg Ser Ile Thr Val Ser Arg Arg Ser Ala
 50 55 60

Gln Leu Leu Cys Arg Leu Lys Leu Gln Asn His Ile Pro Lys Val Pro
 65 70 75 80

Gly Lys Asn Val

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 Met His Met Ile Leu Lys Val Leu Thr Thr Ala Leu Leu Leu Gln Ala
 1 5 10 15

Ala Ser Ala Leu Ala Asn Tyr Ile His Phe Ser Ser Tyr Ser Lys Asp
 20 25 30

Gly Ile Gly Val Pro Phe Met Gly Ser Leu Ala Glu Phe Phe Asp Ile
 35 40 45

Ala Ser Gln Ile Gln Met Leu Tyr Leu Leu Leu Ser Leu Cys Met Gly
 50 55 60

Trp Thr Ile Val Arg Met Lys Lys Ser Gln Ser Arg Pro Leu Gln Trp
 65 70 75 80

Asp Ser Thr Pro Ala Ser Thr Gly Ile Ala Val Phe Ile Val Met Thr
 85 90 95

Gln Ser Val Leu Leu Leu Trp Glu Gln Phe Glu Asp Ile Ser His His
 100 105 110

Ser Tyr His Ser His His Asn Leu Ala Gly Ile Leu Leu Ile Val Leu
 115 120 125

Arg Ile Cys Leu Ala Leu Ser Leu Gly Cys Gly Leu Tyr Gln Ile Ile
 130 135 140

Thr Val Glu Arg Ser Thr Leu Lys Arg Glu Phe Tyr Ile Thr Phe Ala
 145 150 155 160

Lys Val Trp Val Trp Lys Glu Asn Gly Leu Phe
 165 170

<210> 23
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 Met Ser Ser Gly Thr Glu Leu Leu Trp Pro Gly Ala Ala Leu Leu Val
 1 5 10 15

Leu Leu Gly Val Ala Ala Ser Leu Cys Val Arg Cys Ser Arg Pro Gly
 20 25 30

Ala Lys Arg Ser Glu Lys Ile Tyr Gln Gln Arg Ser Leu Arg Glu Asp
 35 40 45

Gln Gln Ser Phe Thr Gly Ser Arg Thr Tyr Ser Leu Val Gly Gln Ala
 50 55 60

Trp Pro Gly Pro Leu Ala Asp Met Ala Pro Thr Arg Lys Asp Lys Leu
 65 70 75 80

Leu Gln Phe Tyr Pro Ser Leu Glu Asp Pro Ala Ser Ser Arg Tyr Gln
 85 90 95

Asn Phe Ser Lys Gly Ser Arg His Gly Ser Glu Glu Ala Tyr Ile Asp
 100 105 110

Pro Ile Ala Met Glu Tyr Tyr Asn Trp Gly Arg Phe Ser Lys Pro Pro
 115 120 125

Glu Asp Asp Asp Ala Asn Ser Tyr Glu Asn Val Leu Ile Cys Lys Gln
 130 135 140

Lys Thr Thr Glu Thr Gly Ala Gln Gln Glu Gly Ile Gly Gly Leu Cys
 145 150 155 160

Arg Gly Asp Leu Ser Leu Ser Leu Ala Leu Lys Thr Gly Pro Thr Ser
 165 170 175

20

Gly Leu Cys Pro Ser Ala Ser Pro Glu Glu Asp Glu Glu Ser Glu Asp
180 185 190

Tyr Gln Asn Ser Ala Ser Ile His Gln Trp Arg Glu Ser Arg Lys Val
195 200 205

Met Gly Gln Leu Gln Arg Glu Ala Ser Pro Gly Pro Val Gly Ser Pro
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Asp Glu Glu Asp Gly Glu Pro Asp Tyr Val Asn Gly Glu Val Ala Ala
225 230 235 240

Thr Glu Ala

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Met Gly Val Pro Thr Ala Pro Glu Ala Gly Ser Trp Arg Trp Gly Ser
1 5 10 15

Leu Leu Phe Ala Leu Phe Leu Ala Ala Ser Leu Gly Pro Val Ala Ala
20 25 30

Phe Lys Val Ala Thr Pro Tyr Ser Leu Tyr Val Cys Pro Glu Gly Gln
35 40 45

Asn Val Thr Leu Thr Cys Arg Leu Leu Gly Pro Val Asp Lys Gly His
50 55 60

Asp Val Thr Phe Tyr Lys Thr Trp Tyr Arg Ser Ser Arg Gly Glu Val
65 70 75 80

Gln Thr Cys Ser Glu Arg Arg Pro Ile Arg Asn Leu Thr Phe Gln Asp
85 90 95

Leu His Leu His His Gly Gly His Gln Ala Ala Asn Thr Ser His Asp
100 105 110

Leu Ala Gln Arg His Gly Leu Glu Ser Ala Ser Asp His His Gly Asn
 115 120 125

Phe Ser Ile Thr Met Arg Asn Leu Thr Leu Leu Asp Ser Gly Leu Tyr
 130 135 140

Cys Cys Leu Val Val Glu Ile Arg His His His Ser Glu His Arg Val
 145 150 155 160

His Gly Ala Met Glu Leu Gln Val Gln Thr Gly Lys Asp Ala Pro Ser
 165 170 175

Asn Cys Val Val Tyr Pro Ser Ser Ser Gln Glu Ser Glu Asn Ile Thr
 180 185 190

Ala Ala Ala Leu Ala Thr Gly Ala Cys Ile Val Gly Ile Leu Cys Leu
 195 200 205

Pro Leu Ile Leu Leu Leu Val Tyr Lys Gln Arg Gln Ala Ala Ser Asn
 210 215 220

Arg Arg Ala Gln Glu Leu Val Arg Met Asp Ser Asn Ile Gln Gly Ile
 225 230 235 240

Glu Asn Pro Gly Phe Glu Ala Ser Pro Pro Ala Gln Gly Ile Pro Glu
 245 250 255

Ala Lys Val Arg His Pro Leu Ser Tyr Val Ala Gln Arg Gln Pro Ser
 260 265 270

Glu Ser Gly Arg His Leu Leu Ser Glu Pro Ser Thr Pro Leu Ser Pro
 275 280 285

Pro Gly Pro Gly Asp Val Phe Phe Pro Ser Leu Asp Pro Val Pro Asp
 290 295 300

Ser Pro Asn Phe Glu Val Ile
 305 310

<210> 25

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1841607

<400> 25

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Ser | Ser | Cys | Phe | Ser | Leu | Ser | Phe | Pro | Pro | Leu | Ser | Leu | Ala |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ser | Leu | Ala | Leu | Trp | Gly | His | Cys | Cys | Val | Arg | Leu | Gly | Cys | Ser |
| | | | 20 | | | | | 25 | | | | | 30 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Phe | Trp | Ser | Val | Ser | Ala | Met | Ala | Gln | Arg | Leu | Pro | Ser | Gln | Asn | Thr |
| | | 35 | | | | | 40 | | | | | 45 | | | |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Tyr | Asn | Pro | Pro | Leu | Cys | Trp | Ala | Trp |
| 50 | | | | | | 55 | | |

<210> 26

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1852391

<400> 26

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Phe | Ser | Leu | Phe | Ser | Cys | Leu | Leu | Ala | Cys | Leu | Leu | Asp | Leu | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Ser | Arg | Val | Ala | Asp | Glu | Ala | Phe | Tyr | Lys | Gln | Pro | Phe | Ala | Asp |
| | | | 20 | | | | | 25 | | | | | 30 | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Ile | Gly | Tyr | Val | Tyr | Val | Ala | Lys | Leu | Ile | Pro | Phe | Ser | Thr | Ser |
| | | 35 | | | | | 40 | | | | | 45 | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asp | Ser | Phe | Tyr | Phe | Cys | Leu | Glu | Leu | Met | Leu | Leu | Leu | Cys | His | Gln |
| 50 | | | | | | 55 | | | | | 60 | | | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Leu | Cys | Phe | Leu | Asn | Tyr | Phe | Lys | Leu | Ala | Leu | Trp | Gly | Leu | Pro |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 |

Lys Asn

<210> 27
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1854555

<400> 27
 Met Ala Gly Thr Val Leu Gly Val Gly Ala Gly Val Phe Ile Leu Ala
 1 5 10 15

Leu Leu Trp Val Ala Val Leu Leu Leu Cys Val Leu Leu Ser Arg Ala
 20 25 30

Ser Gly Ala Ala Arg Phe Ser Val Ile Phe Leu Phe Phe Gly Ala Val
 35 40 45

Ile Ile Thr Ser Val Leu Leu Leu Phe Pro Arg Ala Gly Glu Phe Pro
 50 55 60

Ala Pro Glu Val Glu Val Lys Ile Val Asp Asp Phe Phe Ile Gly Arg
 65 70 75 80

Tyr Val Leu Leu Ala Phe Leu Ser Ala Ile Phe Leu Gly Gly Leu Phe
 85 90 95

Leu Val Leu Ile His Tyr Val Leu Glu Pro Ile Tyr Ala Lys Pro Leu
 100 105 110

His Ser Tyr
 115

<210> 28
 <211> 327
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1855755

<400> 28
 Met Ala Glu Leu Pro Gly Pro Phe Leu Cys Gly Ala Leu Leu Gly Phe
 1 5 10 15

Leu Cys Leu Ser Gly Leu Ala Val Glu Val Lys Val Pro Thr Glu Pro
 20 25 30

Leu Ser Thr Pro Leu Gly Lys Thr Ala Glu Leu Thr Cys Thr Tyr Ser
 35 40 45

Thr Ser Val Gly Asp Ser Phe Ala Leu Glu Trp Ser Phe Val Gln Pro
 50 55 60

Gly Lys Pro Ile Ser Glu Ser His Pro Ile Leu Tyr Phe Thr Asn Gly
 65 70 75 80

His Leu Tyr Pro Thr Gly Ser Lys Ser Lys Arg Val Ser Leu Leu Gln
 85 90 95

Asn Pro Pro Thr Val Gly Val Ala Thr Leu Lys Leu Thr Asp Val His
 100 105 110

Pro Ser Asp Thr Gly Thr Tyr Leu Cys Gln Val Asn Asn Pro Pro Asp
 115 120 125

Phe Tyr Thr Asn Gly Leu Gly Leu Ile Asn Leu Thr Val Leu Val Pro
 130 135 140

Pro Ser Asn Pro Leu Cys Ser Gln Ser Gly Gln Thr Ser Val Gly Gly
 145 150 155 160

Ser Thr Ala Leu Arg Cys Ser Ser Ser Glu Gly Ala Pro Lys Pro Val
 165 170 175

Tyr Asn Trp Val Arg Leu Gly Thr Phe Pro Thr Pro Ser Pro Gly Ser
 180 185 190

Met Val Gln Asp Glu Val Ser Gly Gln Leu Ile Leu Thr Asn Leu Ser
 195 200 205

Leu Thr Ser Ser Gly Thr Tyr Arg Cys Val Ala Thr Asn Gln Met Gly
 210 215 220

Ser Ala Ser Cys Glu Leu Thr Leu Ser Val Thr Glu Pro Ser Gln Gly
 225 230 235 240

Arg Val Ala Gly Ala Leu Ile Gly Val Leu Leu Gly Val Leu Leu Leu
 245 250 255

25

Ser Val Ala Ala Phe Cys Leu Val Arg Phe Gln Lys Glu Arg Gly Lys
260 265 270

Lys Pro Lys Glu Thr Tyr Gly Gly Ser Asp Leu Arg Glu Asp Ala Ile
275 280 285

Ala Pro Gly Ile Ser Glu His Thr Cys Met Arg Ala Asp Ser Ser Lys
290 295 300

Gly Phe Leu Glu Arg Pro Ser Ser Ala Ser Thr Val Thr Thr Thr Lys
305 310 315 320

Ser Lys Leu Pro Met Val Val
325

<210> 29

<211> 133

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1861434

<400> 29

Met Arg Met Ser Leu Ala Gln Arg Val Leu Leu Thr Trp Leu Phe Thr
1 5 10 15

Leu Leu Phe Leu Ile Met Leu Val Leu Lys Leu Asp Glu Lys Ala Pro
20 25 30

Trp Asn Trp Phe Leu Ile Phe Ile Pro Val Trp Ile Phe Asp Thr Ile
35 40 45

Leu Leu Val Leu Leu Ile Val Lys Met Ala Gly Arg Cys Lys Ser Gly
50 55 60

Phe Asp Pro Arg His Gly Ser His Asn Ile Lys Lys Lys Ala Trp Tyr
65 70 75 80

Leu Ile Ala Met Leu Leu Lys Leu Ala Phe Cys Leu Ala Leu Cys Ala
85 90 95

Lys Leu Glu Gln Phe Thr Thr Met Asn Leu Ser Tyr Val Phe Ile Pro
100 105 110

Leu Trp Ala Leu Leu Ala Gly Ala Leu Thr Glu Leu Gly Tyr Asn Val
 115 120 125

Phe Phe Val Arg Asp
 130

<210> 30
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1872334

<400> 30
 Met Gly Leu Thr Leu Leu Leu Leu Leu Leu Leu Gly Leu Glu Gly Gln
 1 5 10 15

Gly Ile Val Gly Ser Leu Pro Glu Val Leu Gln Ala Pro Val Gly Ser
 20 25 30

Ser Ile Leu Val Gln Cys His Tyr Arg Leu Gln Asp Val Lys Ala Gln
 35 40 45

Lys Val Trp Cys Arg Phe Leu Pro Glu Gly Cys Gln Pro Leu Val Ser
 50 55 60

Ser Ala Val Asp Arg Arg Ala Pro Ala Gly Arg Arg Thr Phe Leu Thr
 65 70 75 80

Asp Leu Gly Gly Gly Leu Leu Gln Val Glu Met Val Thr Leu Gln Glu
 85 90 95

Glu Asp Ala Gly Glu Tyr Gly Cys Met Val Asp Gly Ala Arg Gly Pro
 100 105 110

Gln Ile Leu His Arg Val Ser Leu Asn Ile Leu Pro Pro Gly Glu Leu
 115 120 125

Ser

<210> 31
 <211> 472
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1877230

<400> 31

Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
 1 5 10 15

Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
 20 25 30

Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
 35 40 45

Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
 50 55 60

Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
 65 70 75 80

Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Gln
 85 90 95

Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
 100 105 110

Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
 115 120 125

Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
 130 135 140

Gly Ile Thr Ala Glu Val Leu Val Val Thr Ser Phe Asp Glu Leu Gln
 145 150 155 160

Arg Arg Ala Ser Glu Ala Arg Gly Lys Ile Val Val Tyr Asn Gln Pro
 165 170 175

Tyr Ile Asn Tyr Ser Arg Thr Val Gln Tyr Arg Thr Gln Gly Ala Val
 180 185 190

Glu Ala Ala Lys Val Gly Ala Leu Ala Ser Leu Ile Arg Ser Val Ala
 195 200 205

Ser Phe Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp
 210 215 220

Gly Val Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu
 225 230 235 240

Met Met Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu
 245 250 255

Lys Met Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val
 260 265 270

Ala Glu Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser
 275 280 285

Gly His Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly
 290 295 300

Gly Gly Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu
 305 310 315 320

Gly Leu Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu
 325 330 335

Glu Gln Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val
 340 345 350

Asn Ile Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe
 355 360 365

Leu Pro Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ile
 370 375 380

Met Glu Glu Val Met Ser Leu Leu Gln Pro Leu Asn Ile Thr Gln Val
 385 390 395 400

Leu Ser His Gly Glu Gly Thr Asp Ile Asn Phe Trp Ile Gln Ala Gly
 405 410 415

Val Pro Gly Ala Ser Leu Leu Asp Asp Leu Tyr Lys Tyr Phe Phe Phe
 420 425 430

His His Ser His Gly Asp Thr Met Thr Val Met Asp Pro Lys Gln Met
 435 440 445

Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
 450 455 460

Met Glu Glu Met Leu Pro Arg Ser
 465 470

<210> 32
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877885

<400> 32
 Met Ile His Leu Gly His Ile Leu Phe Leu Leu Leu Leu Pro Val Ala
 1 5 10 15

Ala Ala Gln Thr Thr Pro Gly Glu Arg Ser Ser Leu Pro Ala Phe Tyr
 20 25 30

Pro Gly Thr Ser Gly Ser Cys Ser Gly Cys Gly Ser Leu Ser Leu Pro
 35 40 45

Leu Leu Ala Gly Leu Val Ala Ala Asp Ala Val Ala Ser Leu Leu Ile
 50 55 60

Val Gly Ala Val Phe Leu Cys Ala Arg Pro Arg Arg Ser Pro Ala Gln
 65 70 75 80

Glu Asp Gly Lys Val Tyr Ile Asn Met Pro Gly Arg Gly
 85 90

<210> 33
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1889269

<400> 33
 Met Asn Arg Pro Ser Ala Arg Asn Ala Leu Gly Asn Val Phe Val Ser
 1 5 10 15

30

Glu Leu Leu Glu Thr Leu Ala Gln Leu Arg Glu Asp Arg Gln Val Arg
20 25 30

Val Leu Leu Phe Arg Ser Gly Val Lys Gly Val Phe Cys Ala Gly Ala
35 40 45

Asp Leu Lys Glu Arg Glu Gln Met Ser Glu Ala Glu Val Gly Val Phe
50 55 60

Val Gln Arg Leu Arg Gly Leu Met Asn Asp Ile Gly Glu Asp Leu Gly
65 70 75 80

Val Gly Trp Arg Arg Gly Phe Gly Gly Pro Cys Arg
85 90

<210> 34

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 34

Met Trp Ile Lys Gly Thr Met Lys Met Arg Gly Gly Lys Thr Ser Arg
1 5 10 15

Ser Ala Val Leu Pro Val Ala Gln Leu Thr Leu Ile Ala Ser Cys Phe
20 25 30

Pro Asn Ser Gln Thr Val Leu Gly Thr Glu Gly Thr Leu Asp Val Glu
35 40 45

Ser Ser Pro Leu Ala Leu Leu Thr Gly Leu Trp Ala Ser Pro Glu Ser
50 55 60

Leu Ser Leu Tyr Leu Val Thr Leu Leu Cys Val Cys Pro Ala Leu Gln
65 70 75 80

Ser Cys Gln Gly Gln Gln Ala Asp Val Thr Leu Ala Pro Cys Glu Ile
85 90 95

Phe Ile Pro Gln Thr Leu Ala Cys Glu Pro Phe Pro Ser Gln Trp Arg
100 105 110

Ala Leu Lys Gly Ala Ser Leu Glu Ser Ser Ser Val Leu Trp Val Ala
 115 120 125

Pro Cys Arg Trp Pro Leu Thr Leu Arg Cys Ser Arg Val His Leu
 130 135 140

<210> 35
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1900433

<400> 35
 Met Glu Arg Val Thr Leu Ala Leu Leu Leu Leu Ala Gly Leu Thr Ala
 1 5 10 15

Leu Glu Ala Asn Asp Pro Phe Ala Asn Lys Asp Asp Pro Phe Tyr Tyr
 20 25 30

Asp Trp Lys Asn Leu Gln Leu Ser Gly Leu Ile Cys Gly Gly Leu Leu
 35 40 45

Ala Ile Ala Gly Ile Ala Ala Val Leu Ser Gly Lys Cys Lys Tyr Lys
 50 55 60

Ser Ser Gln Lys Gln His Ser Pro Val Pro Glu Lys Ala Ile Pro Leu
 65 70 75 80

Ile Thr Pro Gly Ser Ala Thr Thr Cys
 85

<210> 36
 <211> 560
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1909441

<400> 36
 Met Ala Lys Lys Lys Leu Thr Glu Met Ile Pro Leu Cys Asn His Pro
 1 5 10 15

Ala Ser Phe Val Lys Leu Phe Val Ala Leu Gly Pro Ile Ala Gly Pro
 20 25 30

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Glu | Lys | Lys | Gln | Leu | Lys | Ser | Thr | Met | Leu | Leu | Met | Ser | Glu | Asp | 35 | 40 | 45 | |
| Leu | Thr | Gly | Glu | Gln | Ala | Leu | Ala | Val | Leu | Gly | Ala | Met | Gly | Asp | Met | 50 | 55 | 60 | |
| Glu | Ser | Arg | Asn | Ser | Cys | Leu | Ile | Lys | Arg | Val | Thr | Ser | Val | Leu | His | 65 | 70 | 75 | 80 |
| Lys | His | Leu | Asp | Gly | Tyr | Lys | Pro | Leu | Glu | Leu | Leu | Lys | Ile | Thr | Gln | 85 | 90 | 95 | |
| Glu | Leu | Thr | Phe | Leu | His | Phe | Gln | Arg | Lys | Glu | Phe | Phe | Ala | Lys | Leu | 100 | 105 | 110 | |
| Arg | Glu | Leu | Leu | Leu | Ser | Tyr | Leu | Lys | Asn | Ser | Phe | Ile | Pro | Thr | Glu | 115 | 120 | 125 | |
| Val | Ser | Val | Leu | Val | Arg | Ala | Ile | Ser | Leu | Leu | Pro | Ser | Pro | His | Leu | 130 | 135 | 140 | |
| Asp | Glu | Val | Gly | Ile | Ser | Arg | Ile | Glu | Ala | Val | Leu | Pro | Gln | Cys | Asp | 145 | 150 | 155 | 160 |
| Leu | Asn | Asn | Leu | Ser | Ser | Phe | Ala | Thr | Ser | Val | Leu | Arg | Trp | Ile | Gln | 165 | 170 | 175 | |
| His | Asp | His | Met | Tyr | Leu | Asp | Asn | Met | Thr | Ala | Lys | Gln | Leu | Lys | Leu | 180 | 185 | 190 | |
| Leu | Gln | Lys | Leu | Asp | His | Tyr | Gly | Arg | Gln | Arg | Leu | Gln | His | Ser | Asn | 195 | 200 | 205 | |
| Ser | Leu | Asp | Leu | Leu | Arg | Lys | Glu | Leu | Lys | Ser | Leu | Lys | Gly | Asn | Thr | 210 | 215 | 220 | |
| Phe | Pro | Glu | Ser | Leu | Leu | Glu | Glu | Met | Ile | Ala | Thr | Leu | Gln | His | Phe | 225 | 230 | 235 | 240 |
| Met | Asp | Asp | Ile | Asn | Tyr | Ile | Asn | Val | Gly | Glu | Ile | Ala | Ser | Phe | Ile | 245 | 250 | 255 | |

Ser Ser Thr Asp Tyr Leu Ser Thr Leu Leu Leu Asp Arg Ile Ala Ser
 260 265 270

Val Ala Val Gln Gln Ile Glu Lys Ile His Pro Phe Thr Ile Pro Ala
 275 280 285

Ile Ile Arg Pro Phe Ser Val Leu Asn Tyr Asp Pro Pro Gln Arg Asp
 290 295 300

Glu Phe Leu Gly Thr Cys Val Gln His Leu Asn Ser Tyr Leu Gly Ile
 305 310 315 320

Leu Asp Pro Phe Ile Leu Val Phe Leu Gly Phe Ser Leu Ala Thr Leu
 325 330 335

Glu Tyr Phe Pro Glu Asp Leu Leu Lys Ala Ile Phe Asn Ile Lys Phe
 340 345 350

Leu Ala Arg Leu Asp Ser Gln Leu Glu Ile Leu Ser Pro Ser Arg Ser
 355 360 365

Ala Arg Val Gln Phe His Leu Met Glu Leu Asn Arg Ser Val Cys Leu
 370 375 380

Glu Cys Pro Glu Phe Gln Ile Pro Trp Phe His Asp Arg Phe Cys Gln
 385 390 395 400

Gln Tyr Asn Lys Gly Ile Gly Gly Met Asp Gly Thr Gln Gln Gln Ile
 405 410 415

Phe Lys Met Leu Ala Glu Val Leu Gly Gly Ile Asn Cys Val Lys Ala
 420 425 430

Ser Val Leu Thr Pro Tyr Tyr His Lys Val Asp Phe Glu Cys Ile Leu
 435 440 445

Asp Lys Arg Lys Lys Pro Leu Pro Tyr Gly Ser His Asn Ile Ala Leu
 450 455 460

Gly Gln Leu Pro Glu Met Pro Trp Glu Ser Asn Ile Glu Ile Val Gly
 465 470 475 480

Ser Arg Leu Pro Pro Gly Ala Glu Arg Ile Ala Leu Glu Phe Leu Asp
 485 490 495

Ser Lys Ala Leu Cys Arg Asn Ile Pro His Met Lys Gly Lys Ser Ala
 500 505 510

Met Lys Lys Arg His Leu Glu Ile Leu Gly Tyr Arg Val Ile Gln Ile
 515 520 525

Ser Gln Phe Glu Trp Asn Ser Met Ala Leu Ser Thr Lys Asp Ala Arg
 530 535 540

Met Asp Tyr Leu Arg Glu Cys Ile Phe Gly Glu Val Lys Ser Cys Leu
 545 550 555 560

<210> 37

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932226

<400> 37

Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp Pro
 1 5 10 15

Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg Trp Val
 20 25 30

Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg Leu Trp Leu
 35 40 45

Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg Ala Leu Gln Gly
 50 55 60

Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala Leu Tyr Pro Lys Thr
 65 70 75 80

Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro Val Pro Gly Pro Arg Arg
 85 90 95

Arg Asn Pro Arg Thr Thr Gln His Pro Leu Ala Leu Leu Ala Arg Val
 100 105 110

Trp Val Leu Cys Lys Gly Trp Asn Trp Arg Leu Ala Arg Ala Ser Gln
 115 120 125

Gly Leu Ala Ser His Leu Pro Pro Trp Ala Ile His Thr Leu Ala Ser
 130 135 140

Trp Gly Leu Leu Arg Gly Glu Arg Pro Thr Arg Ile Pro Arg Leu Leu
 145 150 155 160

Pro Arg Ser Gln Arg Gln Leu Gly Pro Pro Ala Ser Arg Gln Pro Leu
 165 170 175

Pro Gly Thr Leu Ala Gly Arg Arg Ser Arg Thr Arg Gln Ser Arg Ala
 180 185 190

Leu Pro Pro Trp Arg
 195

<210> 38

<211> 437

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932647

<400> 38

Met Ser Ala Val Leu Leu Leu Ala Leu Leu Gly Phe Ile Leu Pro Leu
 1 5 10 15

Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln His Val
 20 25 30

Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn Thr Ser
 35 40 45

Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met Leu Ile Glu Ser
 50 55 60

Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly Cys Thr Glu Ala Lys
 65 70 75 80

Asp Gln Glu Pro Arg Val Thr Glu His Arg Met Gly Pro Gly Leu Ser
 85 90 95

Leu Ile Ser Tyr Thr Phe Val Cys Arg Gln Glu Asp Phe Cys Asn Asn
 100 105 110

Leu Val Asn Ser Leu Pro Leu Trp Ala Pro Gln Pro Pro Ala Asp Pro
 115 120 125

Gly Ser Leu Arg Cys Pro Val Cys Leu Ser Met Glu Gly Cys Leu Glu
 130 135 140

Gly Thr Thr Glu Glu Ile Cys Pro Lys Gly Thr Thr His Cys Tyr Asp
 145 150 155 160

Gly Leu Leu Arg Leu Arg Gly Gly Gly Ile Phe Ser Asn Leu Arg Val
 165 170 175

Gln Gly Cys Met Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln
 180 185 190

Glu Ile Gly Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys Asp Phe
 195 200 205

Leu Thr Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala
 210 215 220

Gln Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val
 225 230 235 240

Gly Gln Val Cys Gln Glu Thr Leu Leu Leu Ile Asp Val Gly Leu Thr
 245 250 255

Ser Thr Leu Val Gly Thr Lys Gly Cys Ser Thr Val Gly Ala Gln Asn
 260 265 270

Ser Gln Lys Thr Thr Ile His Ser Ala Pro Pro Gly Val Leu Val Ala
 275 280 285

Ser Tyr Thr His Phe Cys Ser Ser Asp Leu Cys Asn Ser Ala Ser Ser
 290 295 300

Ser Ser Val Leu Leu Asn Ser Leu Pro Pro Gln Ala Ala Pro Val Pro
 305 310 315 320

Gly Asp Arg Gln Cys Pro Thr Cys Val Gln Pro Leu Gly Thr Cys Ser
 325 330 335

Ser Gly Ser Pro Arg Met Thr Cys Pro Arg Gly Ala Thr His Cys Tyr
 340 345 350

Asp Gly Tyr Ile His Leu Ser Gly Gly Gly Leu Ser Thr Lys Met Ser
 355 360 365

Ile Gln Gly Cys Val Ala Gln Pro Ser Ser Phe Leu Leu Asn His Thr
 370 375 380

Arg Gln Ile Gly Ile Phe Ser Ala Arg Glu Lys Arg Asp Val Gln Pro
 385 390 395 400

Pro Ala Ser Gln His Glu Gly Gly Gly Ala Glu Gly Leu Glu Ser Leu
 405 410 415

Thr Trp Gly Val Gly Leu Ala Leu Ala Pro Ala Leu Trp Trp Gly Val
 420 425 430

Val Cys Pro Ser Cys
 435

<210> 39

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2124245

<400> 39

Met Glu Gly Ala Pro Pro Gly Ser Leu Ala Leu Arg Leu Leu Leu Phe
 1 5 10 15

Val Ala Leu Pro Ala Ser Gly Trp Leu Thr Thr Gly Ala Pro Glu Pro
 20 25 30

Pro Pro Leu Ser Gly Ala Pro Gln Asp Gly Ile Arg Ile Asn Val Thr
 35 40 45

Thr Leu Lys Asp Asp Gly Asp Ile Ser Lys Gln Gln Val Val Leu Asn
 50 55 60

Ile Thr Tyr Glu Ser Gly Gln Val Tyr Val Asn Asp Leu Pro Val Asn
 65 70 75 80

Ala Glu Asn Leu Glu Asp Lys Thr Cys Ile
 325 330

<210> 40
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2132626

<400> 40
 Met Glu Thr Gly Ala Leu Arg Arg Pro Gln Leu Leu Pro Leu Leu Leu
 1 5 10 15

Leu Leu Cys Gly Gly Cys Pro Arg Ala Gly Gly Cys Asn Glu Thr Gly
 20 25 30

Met Leu Glu Arg Leu Pro Leu Cys Gly Lys Ala Phe Ala Asp Met Met
 35 40 45

Gly Lys Val Asp Val Trp Lys Trp Cys Asn Leu Ser Glu Phe Ile Val
 50 55 60

Tyr Tyr Glu Ser Phe Thr Asn Cys Thr Glu Met Glu Ala Asn Val Val
 65 70 75 80

Gly Cys Tyr Trp Pro Asn Pro Leu Ala Gln Gly Phe Ile Thr Gly Ile
 85 90 95

His Arg Gln Phe Phe Ser Asn Cys Thr Val Asp Arg Val His Leu Glu
 100 105 110

Asp Pro Pro Asp Glu Val Leu Ile Pro Leu Ile Val Ile Pro Val Val
 115 120 125

Leu Thr Val Ala Met Ala Gly Leu Val Val Trp Arg Ser Lys Arg Thr
 130 135 140

Asp Thr Leu Leu
 145

<210> 41
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280639

<400> 41
 Met Ala Pro Pro Pro Ser Pro Gln Leu Leu Leu Leu Ala Ala Leu
 1 5 10 15

Ala Arg Leu Leu Gly Pro Ser Glu Val Met Ala Gly Pro Ala Glu Glu
 20 25 30

Ala Gly Ala His Cys Pro Glu Ser Leu Trp Pro Leu Pro Pro Gln Val
 35 40 45

Ser Pro Arg Val Thr Tyr Thr Arg Val Ser Pro Gly Gln Ala Glu Asp
 50 55 60

Val Thr Phe Leu Tyr His Pro Cys Ala His Pro Trp Leu Lys Leu Gln
 65 70 75 80

Leu Ala Leu Leu Ala Tyr Ala Cys Met Ala Asn Pro Ser Leu Thr Pro
 85 90 95

Asp Phe Ser Leu Thr Gln Asp Arg Pro Leu Val Leu Thr Ala Trp Gly
 100 105 110

Leu Ala Leu Glu Met Ala Trp Val Glu Pro Ala Trp Ala Ala His Trp
 115 120 125

Leu Met Arg Arg Arg Arg Arg Lys Gln Arg Lys Lys Lys Ala Trp Ile
 130 135 140

Tyr Cys Glu Ser Leu Ser Gly Pro Ala Pro Ser Glu Pro Thr Pro Gly
 145 150 155 160

Arg Gly Arg Leu Cys Arg Arg Gly Cys Val Gln Ala Leu Ala Leu Ala
 165 170 175

Phe Ala Leu Arg Thr Gly Gly Pro Leu Ala Gln Arg
 180 185

<210> 42
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2292356

<400> 42
 Met Ala Ala Ala Leu Thr Ser Leu Ser Thr Ser Pro Leu Leu Leu
 1 5 10 15

Gly Ala Pro Val Ala Ala Phe Ser Pro Glu Pro Gly Leu Glu Pro Trp
 20 25 30

Lys Glu Ala Leu Val Arg Pro Pro Gly Ser Tyr Ser Ser Ser Ser Asn
 35 40 45

Ser Gly Asp Trp Gly Trp Asp Leu Ala Ser Asp Gln Ser Ser Pro Ser
 50 55 60

Thr Pro Ser Pro Pro Leu Pro Pro Glu Ala Ala His Phe Leu Phe Gly
 65 70 75 80

Glu Pro Thr Leu Arg Lys Arg Lys Ser Pro Ala Gln Val Met Phe Gln
 85 90 95

Cys Leu Trp Lys Ser Cys Gly Lys Val Leu Ser Thr Ala Ser Ala Met
 100 105 110

Gln Arg His Ile Arg Leu Val His Leu Gly Cys Gly Gly Ala Trp Gly
 115 120 125

Ala Ala Gly Pro Ala Gly Trp Leu Gly Leu Leu Gly Pro Ala Arg Pro
 130 135 140

Pro Leu Gln Leu Pro Leu Ala Gly Cys Val Ser Arg Arg Arg Gln Ala
 145 150 155 160

Glu Pro Glu Gln Ser Asp Gly Glu Glu Asp Phe Tyr Tyr Thr Glu Leu
 165 170 175

Asp Val Gly Val Asp Thr Leu Thr Asp Gly Leu Ser Ser Leu Thr Pro
 180 185 190

Val Phe Pro Glu Gly Phe His Ala Ser Leu Pro Ser Pro Ala Leu Lys
 195 200 205

Leu Arg Arg Leu Gly Gly Thr Arg Gln Pro Arg Gln Tyr Pro
 210 215 220

<210> 43
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2349310

<400> 43
 Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln
 1 5 10 15

Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp
 20 25 30

Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro
 35 40 45

Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro
 50 55 60

Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr
 65 70 75 80

Gly Cys Gly Ser Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln
 85 90 95

Cys Ser Val Val Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr
 100 105 110

<210> 44
 <211> 341
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

<400> 44
 Met Val Pro Ala Ala Gly Ala Leu Leu Trp Val Leu Leu Leu Asn Leu
 1 5 10 15

Gly Pro Arg Ala Ala Gly Ala Gln Gly Leu Thr Gln Thr Pro Thr Glu
 20 25 30

Met Gln Arg Val Ser Leu Arg Phe Gly Gly Pro Met Thr Arg Ser Tyr
 35 40 45

Arg Ser Thr Ala Arg Thr Gly Leu Pro Arg Lys Thr Arg Ile Ile Leu
 50 55 60

Glu Asp Glu Asn Asp Ala Met Ala Asp Ala Asp Arg Leu Ala Gly Pro
 65 70 75 80

Ala Ala Ala Glu Leu Leu Ala Ala Thr Val Ser Thr Gly Phe Ser Arg
 85 90 95

Ser Ser Ala Ile Asn Glu Glu Asp Gly Ser Ser Glu Glu Gly Val Val
 100 105 110

Ile Asn Ala Gly Lys Asp Ser Thr Ser Arg Glu Leu Pro Ser Ala Thr
 115 120 125

Pro Asn Thr Ala Gly Ser Ser Ser Thr Arg Phe Ile Ala Asn Ser Gln
 130 135 140

Glu Pro Glu Ile Arg Leu Thr Ser Ser Leu Pro Arg Ser Pro Gly Arg
 145 150 155 160

Ser Thr Glu Asp Leu Pro Gly Ser Gln Ala Thr Leu Ser Gln Trp Ser
 165 170 175

Thr Pro Gly Ser Thr Pro Ser Arg Trp Pro Ser Pro Ser Pro Thr Ala
 180 185 190

Met Pro Ser Pro Glu Asp Leu Arg Leu Val Leu Met Pro Trp Gly Pro
 195 200 205

Trp His Cys His Cys Lys Ser Gly Thr Met Ser Arg Ser Arg Ser Gly
 210 215 220

Lys Leu His Gly Leu Ser Gly Arg Leu Arg Val Gly Ala Leu Ser Gln
 225 230 235 240

Asn Cys Ala Ser Gln Ser Thr Thr Ser Thr Arg Thr Thr Thr Thr Pro
275 280 285

Pro Cys Pro Ala Leu Ala Phe Trp Lys Arg Val Arg Ile Gly Leu Glu
305 310 315 320

Asp Arg Asn Gln Arg
340

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<210> 45
<211> 148
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte Clone No: 2457682
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<400> 45
Met Ala Gly Leu Ala Ala Arg Leu Val Leu Leu Ala Gly Ala Ala Ala
1           5           10          15
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Leu Ala Ser Gly Ser Gln Gly Asp Arg Glu Pro Val Tyr Arg Asp Cys
20 25 30

Val Leu Gln Cys Glu Glu Gln Asn Cys Ser Gly Gly Ala Leu Asn His
35 40 45

Phe Arg Ser Arg Gln Pro Ile Tyr Met Ser Leu Ala Gly Trp Thr Cys
50 55 60

Arg Asp Asp Cys Lys Tyr Glu Cys Met Trp Val Thr Val Gly Leu Tyr
65 70 75 80

45

Leu Gln Glu Gly His Lys Val Pro Gln Phe His Gly Lys Trp Pro Phe
85 90 95

Ser Arg Phe Leu Phe Phe Gln Glu Pro Ala Ser Ala Val Ala Ser Phe
100 105 110

Leu Asn Gly Leu Ala Ser Leu Val Met Leu Cys Arg Tyr Arg Thr Phe
115 120 125

Val Pro Ala Ser Ser Pro Met Tyr His Thr Cys Val Ala Phe Ala Trp
130 135 140

Leu Ser Gly Arg
145

<210> 46
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2480426

<400> 46
Met Arg Pro Leu Leu Val Leu Leu Leu Leu Gly Leu Ala Ala Gly Ser
1 5 10 15

Pro Pro Leu Asp Asp Asn Lys Ile Pro Ser Leu Cys Pro Gly Leu Pro
20 25 30

Gly Pro Arg Gly Asp Pro Gly Pro Arg Gly Glu Ala Gly Pro Ala Gly
35 40 45

Pro Thr Gly Leu Ala Gly Glu Cys Ser Val Pro Pro Arg Ser Ala Phe
50 55 60

Ser Ala Lys Arg Ser Glu Ile Arg Val Pro Pro Leu Ser Asp Ala Pro
65 70 75 80

Leu Pro Ser Thr Ala Cys Trp
85

<210> 47
<211> 383
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2503743

<400> 47

Met Ala Gly Ile Pro Gly Leu Leu Phe Leu Leu Phe Phe Leu Leu Cys
 1 5 10 15

Ala Val Gly Gln Val Ser Pro Tyr Ser Ala Pro Trp Lys Pro Thr Trp
 20 25 30

Pro Ala Tyr Arg Leu Pro Val Val Leu Pro Gln Ser Thr Leu Asn Leu
 35 40 45

Ala Lys Pro Asp Phe Gly Ala Glu Ala Lys Leu Glu Val Ser Ser Ser
 50 55 60

Cys Gly Pro Gln Cys His Lys Gly Thr Pro Leu Pro Thr Tyr Glu Glu
 65 70 75 80

Ala Lys Gln Tyr Leu Ser Tyr Glu Thr Leu Tyr Ala Asn Gly Ser Arg
 85 90 95

Thr Glu Thr Gln Val Gly Ile Tyr Ile Leu Ser Ser Ser Gly Asp Gly
 100 105 110

Ala Gln His Arg Asp Ser Gly Ser Ser Gly Lys Ser Arg Arg Lys Arg
 115 120 125

Gln Ile Tyr Gly Tyr Asp Ser Arg Phe Ser Ile Phe Gly Lys Asp Phe
 130 135 140

Leu Leu Asn Tyr Pro Phe Ser Thr Ser Val Lys Leu Ser Thr Gly Cys
 145 150 155 160

Thr Gly Thr Leu Val Ala Glu Lys His Val Leu Thr Ala Ala His Cys
 165 170 175

Ile His Asp Gly Lys Thr Tyr Val Lys Gly Thr Gln Lys Leu Arg Val
 180 185 190

Gly Phe Leu Lys Pro Lys Phe Lys Asp Gly Gly Arg Gly Ala Asn Asp
 195 200 205

Ser Thr Ser Ala Met Pro Glu Gln Met Lys Phe Gln Trp Ile Arg Val
 210 215 220

Lys Arg Thr His Val Pro Lys Gly Trp Ile Lys Gly Asn Ala Asn Asp
 225 230 235 240

Ile Gly Met Asp Tyr Asp Tyr Ala Leu Leu Glu Leu Lys Lys Pro His
 245 250 255

Lys Arg Lys Phe Met Lys Ile Gly Val Ser Pro Pro Ala Lys Gln Leu
 260 265 270

Pro Gly Gly Arg Ile His Phe Ser Gly Tyr Asp Asn Asp Arg Pro Gly
 275 280 285

Asn Leu Val Tyr Arg Phe Cys Asp Val Lys Asp Glu Thr Tyr Asp Leu
 290 295 300

Leu Tyr Gln Gln Cys Asp Ala Gln Pro Gly Ala Ser Gly Ser Gly Val
 305 310 315 320

Tyr Val Arg Met Trp Lys Arg Gln Gln Gln Lys Trp Glu Arg Lys Ile
 325 330 335

Ile Gly Ile Phe Ser Gly His Gln Trp Val Asp Met Asn Gly Ser Pro
 340 345 350

Gln Asp Phe Asn Val Ala Val Arg Ile Thr Pro Leu Lys Tyr Ala Gln
 355 360 365

Ile Cys Tyr Trp Ile Lys Gly Asn Tyr Leu Asp Cys Arg Glu Gly
 370 375 380

<210> 48

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2537684

<400> 48

Met Leu Leu Pro Ala Leu Cys Ala Trp Leu Leu Trp Val Pro Trp Cys
 1 5 10 15

48

Leu Leu Val Ala Gly Ser Gly Arg Ser Gly Gly Glu Leu Cys Cys Ser
20 25 30

Ser Tyr Gly Val Ser Val Ile Ser Val Trp Ser Lys Cys Ser Val Cys
35 40 45

Arg Cys Leu Met Gly Ser Val Pro Arg Ile Phe Phe Ala Phe Tyr Pro
50 55 60

Ile Ala Trp Leu Pro Leu Pro Gly Ser Gln Gly Cys Trp Ser Arg Ser
65 70 75 80

Trp Glu Trp Pro Leu Val Glu Pro Ala Ser Cys Leu Val Cys Leu Cys
85 90 95

Phe Thr Phe Gly Val Leu Ser Gly Val Val Ala Val Lys
100 105

<210> 49

<211> 185

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2593853

<400> 49

Met Lys Phe Thr Ile Val Phe Ala Gly Leu Leu Gly Val Phe Leu Ala
1 5 10 15

Pro Ala Leu Ala Asn Tyr Asn Ile Asn Val Asn Asp Asp Asn Asn Asn
20 25 30

Ala Gly Ser Gly Gln Gln Ser Val Ser Val Asn Asn Glu His Asn Val
35 40 45

Ala Asn Val Asp Asn Asn Asn Gly Trp Asp Ser Trp Asn Ser Ile Trp
50 55 60

Asp Tyr Gly Asn Gly Phe Ala Ala Thr Arg Leu Phe Gln Lys Lys Thr
65 70 75 80

Cys Ile Val His Lys Met Asn Lys Glu Val Met Pro Ser Ile Gln Ser
85 90 95

Leu Asp Ala Leu Val Lys Glu Lys Lys Leu Gln Gly Lys Gly Pro Gly
 100 105 110

Gly Pro Pro Pro Lys Gly Leu Met Tyr Ser Val Asn Pro Asn Lys Val
 115 120 125

Asp Asp Leu Ser Lys Phe Gly Lys Asn Ile Ala Asn Met Cys Arg Gly
 130 135 140

Ile Pro Thr Tyr Met Ala Glu Glu Met Gln Glu Ala Ser Leu Phe Phe
 145 150 155 160

Tyr Ser Gly Thr Cys Tyr Thr Thr Ser Val Leu Trp Ile Val Asp Ile
 165 170 175

Ser Phe Cys Gly Asp Thr Val Glu Asn
 180 185

<210> 50
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2622354

<400> 50
 Met Ala Pro Arg Gly Cys Ile Val Ala Val Phe Ala Ile Phe Cys Ile
 1 5 10 15

Ser Arg Leu Leu Cys Ser His Gly Ala Pro Val Ala Pro Met Thr Pro
 20 25 30

Tyr Leu Met Leu Cys Gln Pro His Lys Arg Cys Gly Asp Lys Phe Tyr
 35 40 45

Asp Pro Leu Gln His Cys Cys Tyr Asp Asp Ala Val Val Pro Leu Ala
 50 55 60

Arg Thr Gln Thr Cys Gly Asn Cys Thr Phe Arg Val Cys Phe Glu Gln
 65 70 75 80

Cys Cys Pro Trp Thr Phe Met Val Lys Leu Ile Asn Gln Asn Cys Asp
 85 90 95

50

Ser Ala Arg Thr Ser Asp Asp Arg Leu Cys Arg Ser Val Ser
100 105 110

<210> 51
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2641377

<400> 51
Met Trp Leu Gly Ser Trp Leu Thr Ser Leu Leu Leu Ser Pro Tyr Gly
1 5 10 15

Ser Gly Trp Glu Lys Val Pro Cys Cys Val Thr Gly His Leu Arg Ser
20 25 30

Cys Ser Cys Cys Leu Leu Gly Leu Ala Gly Val Gln Ser Asp His Phe
35 40 45

Ser Glu Gly Phe Phe Ser Glu Tyr Ser Ser Asp Val Leu Pro Trp Gly
50 55 60

Arg Arg Ser Phe Leu Pro Gln Gly Asp Ala Ser Leu Leu Ala Cys Glu
65 70 75 80

Cys Phe Leu His Leu Gln Val Val Trp Gly Gln Phe Cys Leu Leu Glu
85 90 95

Ala Trp Ala Gly Phe Thr Glu Gly Ser Met Pro Ala Pro Ser Cys Arg
100 105 110

Val His Phe Trp Cys Arg Val Asn Thr Cys Ala Phe Met Ser
115 120 125

<210> 52
<211> 488
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2674857

<400> 52
Met Ala Gly Lys Gly Ser Ser Gly Arg Arg Pro Leu Leu Leu Gly Leu
1 5 10 15

Leu Val Ala Val Ala Thr Val His Leu Val Ile Cys Pro Tyr Thr Lys
 20 25 30

Val Glu Glu Ser Phe Asn Leu Gln Ala Thr His Asp Leu Leu Tyr His
 35 40 45

Trp Gln Asp Leu Glu Gln Tyr Asp His Leu Glu Phe Pro Gly Val Val
 50 55 60

Pro Arg Thr Phe Leu Gly Pro Val Val Ile Ala Val Phe Ser Ser Pro
 65 70 75 80

Ala Val Tyr Val Leu Ser Leu Leu Glu Met Ser Lys Phe Tyr Ser Gln
 85 90 95

Leu Ile Val Arg Gly Val Leu Gly Leu Gly Val Ile Phe Gly Leu Trp
 100 105 110

Thr Leu Gln Lys Glu Val Arg Arg His Phe Gly Ala Met Val Ala Thr
 115 120 125

Met Phe Cys Trp Val Thr Ala Met Gln Phe His Leu Met Phe Tyr Cys
 130 135 140

Thr Arg Thr Leu Pro Asn Val Leu Ala Leu Pro Val Val Leu Leu Ala
 145 150 155 160

Leu Ala Ala Trp Leu Arg His Glu Trp Ala Arg Phe Ile Trp Leu Ser
 165 170 175

Ala Phe Ala Ile Ile Val Phe Arg Val Glu Leu Cys Leu Phe Leu Gly
 180 185 190

Leu Leu Leu Leu Leu Ala Leu Gly Asn Arg Lys Val Ser Val Val Arg
 195 200 205

Ala Leu Arg His Ala Val Pro Ala Gly Ile Leu Cys Leu Gly Leu Thr
 210 215 220

Val Ala Val Asp Ser Tyr Phe Trp Arg Gln Leu Thr Trp Pro Glu Gly
 225 230 235 240

Lys Val Leu Trp Tyr Asn Thr Val Leu Asn Lys Ser Ser Asn Trp Gly
 245 250 255

Thr Ser Pro Leu Leu Trp Tyr Phe Tyr Ser Ala Leu Pro Arg Gly Leu
 260 265 270

Gly Cys Ser Leu Leu Phe Ile Pro Leu Gly Leu Val Asp Arg Arg Thr
 275 280 285

His Ala Pro Thr Val Leu Ala Leu Gly Phe Met Ala Leu Tyr Ser Leu
 290 295 300

Leu Pro His Lys Glu Leu Arg Phe Ile Ile Tyr Ala Phe Pro Met Leu
 305 310 315 320

Asn Ile Thr Ala Ala Arg Gly Cys Ser Tyr Leu Leu Asn Asn Tyr Lys
 325 330 335

Lys Ser Trp Leu Tyr Lys Ala Gly Ser Leu Leu Val Ile Gly His Leu
 340 345 350

Val Val Asn Ala Ala Tyr Ser Ala Thr Ala Leu Tyr Val Ser His Phe
 355 360 365

Asn Tyr Pro Gly Gly Val Ala Met Gln Arg Leu His Gln Leu Val Pro
 370 375 380

Pro Gln Thr Asp Val Leu Leu His Ile Asp Val Ala Ala Ala Gln Thr
 385 390 395 400

Gly Val Ser Arg Phe Leu Gln Val Asn Ser Ala Trp Arg Tyr Asp Lys
 405 410 415

Arg Glu Asp Val Gln Pro Gly Thr Gly Met Leu Ala Tyr Thr His Ile
 420 425 430

Leu Met Glu Ala Ala Pro Gly Leu Leu Ala Leu Tyr Arg Asp Thr His
 435 440 445

Arg Val Leu Ala Ser Val Val Gly Thr Thr Gly Val Ser Leu Asn Leu
 450 455 460

Thr Gln Leu Pro Pro Phe Asn Val His Leu Gln Thr Lys Leu Val Leu
 465 470 475 480

Leu Glu Arg Leu Pro Arg Pro Ser
485

<210> 53

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2758485

<400> 53

Met Ser Pro Arg Arg Thr Leu Pro Arg Pro Leu Ser Leu Cys Leu Ser
1 5 10 15

Leu Cys Leu Cys Leu Cys Leu Ala Ala Leu Gly Ser Ala Gln Ser
20 25 30

Gly Ser Cys Arg Asp Lys Lys Asn Cys Lys Val Val Phe Ser Gln Gln
35 40 45

Glu Leu Arg Lys Arg Leu Thr Pro Leu Gln Tyr His Val Thr Gln Glu
50 55 60

Lys Gly Thr Glu Ser Ala Phe Glu Gly Glu Tyr Thr His His Lys Asp
65 70 75 80

Pro Gly Ile Tyr Lys Cys Val Val Cys Gly Thr Pro Leu Phe Lys Ser
85 90 95

Glu Thr Lys Phe Asp Ser Gly Ser Gly Trp Pro Ser Phe His Asp Val
100 105 110

Ile Asn Ser Glu Ala Ile Thr Phe Thr Asp Asp Phe Ser Tyr Gly Met
115 120 125

His Arg Val Glu Thr Ser Cys Ser Gln Cys Gly Ala His Leu Gly His
130 135 140

Ile Phe Asp Asp Gly Pro Arg Pro Thr Gly Lys Arg Tyr Cys Ile Asn
145 150 155 160

Ser Ala Ala Leu Ser Phe Thr Pro Ala Asp Ser Ser Gly Thr Ala Glu
165 170 175

Gly Gly Ser Gly Val Ala Ser Pro Ala Gln Ala Asp Lys Ala Asp Ser
 180 185 190

Glu Ser Asn Gly Glu
 195

<210> 54
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2763296

<400> 54
 Met Thr Pro Gln Ser Leu Leu Gln Thr Thr Leu Phe Leu Leu Ser Leu
 1 5 10 15

Leu Phe Leu Val Gln Gly Ala His Gly Arg Gly His Arg Glu Asp Phe
 20 25 30

Arg Phe Cys Ser Gln Arg Asn Gln Thr His Arg Ser Ser Leu His Tyr
 35 40 45

Tyr Trp Ser Met Arg Leu Gln Ala Arg Gly Gly Pro Ser Pro Leu Lys
 50 55 60

Ser Asn Ser Asp Ser Ala Arg Leu Pro Ile Ser Ser Gly Ser Thr Ser
 65 70 75 80

Ser Ser Arg Ile

<210> 55
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2779436

<400> 55
 Met Gln Leu Gly Thr Gly Leu Leu Leu Ala Ala Val Leu Ser Leu Gln
 1 5 10 15

55

Leu Ala Ala Ala Glu Ala Ile Trp Cys His Gln Cys Thr Gly Phe Gly
20 25 30

Gly Cys Ser His Gly Ser Arg Cys Leu Arg Asp Ser Thr His Cys Val
35 40 45

Thr Thr Ala Thr Arg Val Leu Ser Asn Thr Glu Asp Leu Pro Leu Val
50 55 60

Thr Lys Met Cys His Ile Gly Cys Pro Asp Ile Pro Ser Leu Gly Leu
65 70 75 80

Gly Pro Tyr Val Ser Ile Ala Cys Cys Gln Thr Ser Leu Cys Asn His
85 90 95

Asp

<210> 56

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2808528

<400> 56

Met Ala Ala Ser Leu Gly Gln Val Leu Ala Leu Val Leu Val Ala Ala
1 5 10 15

Leu Trp Gly Gly Thr Gln Pro Leu Leu Lys Arg Ala Ser Ala Gly Leu
20 25 30

Gln Arg Val His Glu Pro Thr Trp Ala Gln Gln Leu Leu Gln Glu Met
35 40 45

Lys Thr Leu Phe Leu Asn Thr Glu Tyr Leu Met Pro Phe Leu Leu Asn
50 55 60

Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu Ala Ser Thr Asp Leu
65 70 75 80

Thr Leu Ala Val Pro Ile Cys Asn Ser Leu Ala Ile Ile Phe Thr Leu
85 90 95

Ile Val Gly Lys Ala Leu Gly Glu Asp Ile Gly Gly Lys Arg Ala Val
 100 105 110

Ala Gly Met Val Leu Thr Val Ile Gly Ile Ser Leu Cys Ile Thr Ser
 115 120 125

Ser Val Ser Lys Thr Gln Gly Gln Gln Ser Thr Leu
 130 135 140

<210> 57

<211> 285

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2809230

<400> 57

Met Glu Val Pro Pro Pro Ala Pro Arg Ser Phe Leu Cys Arg Ala Leu
 1 5 10 15

Cys Leu Phe Pro Arg Val Phe Ala Ala Glu Ala Val Thr Ala Asp Ser
 20 25 30

Glu Val Leu Glu Glu Arg Gln Lys Arg Leu Pro Tyr Val Pro Glu Pro
 35 40 45

Tyr Tyr Pro Glu Ser Gly Trp Asp Arg Leu Arg Glu Leu Phe Gly Lys
 50 55 60

Asp Glu Gln Gln Arg Ile Ser Lys Asp Leu Ala Asn Ile Cys Lys Thr
 65 70 75 80

Ala Ala Thr Ala Gly Ile Ile Gly Trp Val Tyr Gly Gly Ile Pro Ala
 85 90 95

Phe Ile His Ala Lys Gln Gln Tyr Ile Glu Gln Ser Gln Ala Glu Ile
 100 105 110

Tyr His Asn Arg Phe Asp Ala Val Gln Ser Ala His Arg Ala Ala Thr
 115 120 125

Arg Gly Phe Ile Arg Tyr Gly Trp Arg Trp Gly Trp Arg Thr Ala Val
 130 135 140

57

Phe Val Thr Ile Phe Asn Thr Val Asn Thr Ser Leu Asn Val Tyr Arg
145 150 155 160

Asn Lys Asp Ala Leu Ser His Phe Val Ile Ala Gly Ala Val Thr Gly
165 170 175

Ser Leu Phe Arg Ile Asn Val Gly Leu Arg Gly Leu Val Ala Gly Gly
180 185 190

Ile Ile Gly Ala Leu Leu Gly Thr Pro Val Gly Gly Leu Leu Met Ala
195 200 205

Phe Gln Lys Tyr Ser Gly Glu Thr Val Gln Glu Arg Lys Gln Lys Asp
210 215 220

Arg Lys Ala Leu His Glu Leu Lys Leu Glu Glu Trp Lys Gly Arg Leu
225 230 235 240

Gln Val Thr Glu His Leu Pro Glu Lys Ile Glu Ser Ser Leu Gln Glu
245 250 255

Asp Glu Pro Glu Asn Asp Ala Lys Lys Ile Glu Ala Leu Leu Asn Leu
260 265 270

Pro Arg Asn Pro Ser Val Ile Asp Lys Gln Asp Lys Asp
275 280 285

<210> 58

<211> 262

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2816821

<400> 58

Met Thr Gln Pro Val Pro Arg Leu Ser Val Pro Ala Ala Leu Ala Leu
1 5 10 15

Gly Ser Ala Ala Leu Gly Ala Ala Phe Ala Thr Gly Leu Phe Leu Gly
20 25 30

Arg Arg Cys Pro Pro Trp Arg Gly Arg Arg Glu Gln Cys Leu Leu Pro
35 40 45

Pro Glu Asp Ser Arg Leu Trp Gln Tyr Leu Leu Ser Arg Ser Met Arg
 50 55 60

Glu His Pro Ala Leu Arg Ser Leu Arg Leu Leu Thr Leu Glu Gln Pro
 65 70 75 80

Gln Gly Asp Ser Met Met Thr Cys Glu Gln Ala Gln Leu Leu Ala Asn
 85 90 95

Leu Ala Arg Leu Ile Gln Ala Lys Lys Ala Leu Asp Leu Gly Thr Phe
 100 105 110

Thr Gly Tyr Ser Ala Leu Ala Leu Ala Leu Pro Ala Asp Gly
 115 120 125

Arg Val Val Thr Cys Glu Val Asp Ala Gln Pro Pro Glu Leu Gly Arg
 130 135 140

Pro Leu Trp Arg Gln Ala Glu Ala Glu His Lys Ile Asp Leu Arg Leu
 145 150 155 160

Lys Pro Ala Leu Glu Thr Leu Asp Glu Leu Leu Ala Ala Gly Glu Ala
 165 170 175

Gly Thr Phe Asp Val Ala Val Val Asp Ala Asp Lys Glu Asn Cys Ser
 180 185 190

Ala Tyr Tyr Glu Arg Cys Leu Gln Leu Leu Arg Pro Gly Gly Ile Leu
 195 200 205

Ala Val Leu Arg Val Leu Trp Arg Gly Lys Val Leu Gln Pro Pro Lys
 210 215 220

Gly Asp Val Ala Ala Glu Cys Val Arg Asn Leu Asn Glu Arg Ile Arg
 225 230 235 240

Arg Asp Val Arg Val Tyr Ile Ser Leu Leu Pro Leu Gly Asp Gly Leu
 245 250 255

Thr Leu Ala Phe Lys Ile
 260

<210> 59
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2817268

<400> 59
 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Met
 1 5 10 15

Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp Trp Arg
 20 25 30

Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile Asp Thr Tyr
 35 40 45

Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln
 50 55 60

Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys
 65 70 75 80

Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu
 85 90 95

Asn Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg
 100 105 110

Cys Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe
 115 120 125

Gln Tyr Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly
 130 135 140

Leu Thr Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe
 145 150 155 160

Asp Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg
 165 170 175

Ala Ala Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
 180 185

<210> 60
 <211> 257
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2923165

<400> 60
 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly Pro
 1 5 10 15
 Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Thr Glu Pro Leu Arg Ile
 20 25 30
 Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Ile
 35 40 45
 Ser Ser Leu Val Trp Phe Met Ala Arg Val Ile Ile Asp Asn Lys Asp
 50 55 60
 Gly Pro Thr Gln Lys Tyr Leu Leu Ile Phe Gly Ala Phe Val Ser Val
 65 70 75 80
 Tyr Ile Gln Glu Met Phe Arg Phe Ala Tyr Tyr Lys Leu Leu Lys Lys
 85 90 95
 Ala Ser Glu Gly Leu Lys Ser Ile Asn Pro Gly Glu Thr Ala Pro Ser
 100 105 110
 Met Arg Leu Leu Ala Tyr Val Ser Gly Leu Gly Phe Gly Ile Met Ser
 115 120 125
 Gly Val Phe Ser Phe Val Asn Thr Leu Ser Asp Ser Leu Gly Pro Gly
 130 135 140
 Thr Val Gly Ile His Gly Asp Ser Pro Gln Phe Phe Leu Tyr Ser Ala
 145 150 155 160
 Phe Met Thr Leu Val Ile Ile Leu Leu His Val Phe Trp Gly Ile Val
 165 170 175
 Phe Phe Asp Gly Cys Glu Lys Lys Lys Trp Gly Ile Leu Leu Ile Val
 180 185 190

61

Leu Leu Thr His Leu Leu Val Ser Ala Gln Thr Phe Ile Ser Ser Tyr
195 200 205

Tyr Gly Ile Asn Leu Ala Ser Ala Phe Ile Ile Leu Val Leu Met Gly
210 215 220

Thr Trp Ala Phe Leu Ala Ala Gly Gly Ser Cys Arg Ser Leu Lys Leu
225 230 235 240

Cys Leu Leu Cys Gln Asp Lys Asn Phe Leu Leu Tyr Asn Gln Arg Ser
245 250 255

Arg

<210> 61
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2949822

<400> 61
Met Pro Phe Ser Trp Met Val Ile Ile Leu Gly Phe Leu Cys Gly Leu
1 5 10 15

Ser Gly Gln Leu Gln Ile Met Asn Thr Leu Ser Ser Leu Pro Ile Val
20 25 30

Leu Leu Val Ser Ser Ser Cys Leu Ile Leu Ala Arg Met Ser Tyr Ser
35 40 45

Ile Leu Thr Ser Ser Tyr Gly Gly Gly Val Phe Ile Leu Leu Asp Leu
50 55 60

Lys Arg Asn Thr Ser Lys Val Ser Pro Leu Met Met Met Phe Ala Ile
65 70 75 80

Gly His

<210> 62
<211> 202
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2992192

<400> 62

Met Ala Ala Pro Trp Arg Arg Trp Pro Thr Gly Leu Leu Ala Val Leu
 1 5 10 15

Arg Pro Leu Leu Thr Cys Arg Pro Leu Gln Gly Thr Thr Leu Gln Arg
 20 25 30

Asp Val Leu Leu Phe Glu His Asp Arg Gly Arg Phe Phe Thr Ile Leu
 35 40 45

Gly Leu Phe Cys Ala Gly Gln Gly Val Phe Trp Ala Ser Met Ala Val
 50 55 60

Ala Ala Val Ser Arg Pro Pro Val Pro Val Gln Pro Leu Asp Ala Glu
 65 70 75 80

Val Pro Asn Arg Gly Pro Phe Asp Leu Arg Ser Ala Leu Trp Arg Tyr
 85 90 95

Gly Leu Ala Val Gly Cys Gly Ala Ile Gly Ala Leu Val Leu Gly Ala
 100 105 110

Gly Leu Leu Phe Ser Leu Arg Ser Val Arg Ser Val Val Leu Arg Ala
 115 120 125

Gly Gly Gln Gln Val Thr Leu Thr Thr His Ala Pro Phe Gly Leu Gly
 130 135 140

Ala His Phe Thr Val Pro Leu Lys Gln Val Ser Cys Met Ala His Arg
 145 150 155 160

Gly Glu Val Pro Ala Met Leu Pro Leu Lys Val Lys Gly Arg Arg Phe
 165 170 175

Tyr Phe Leu Leu Asp Lys Thr Gly His Phe Pro Asn Thr Lys Leu Phe
 180 185 190

Asp Asn Thr Val Gly Ala Tyr Arg Ser Leu
 195 200

<210> 63
 <211> 450
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992458

<400> 63
 Met Leu Val Thr Ala Tyr Leu Ala Phe Val Gly Leu Leu Ala Ser Cys
 1 5 10 15

Leu Gly Leu Glu Leu Ser Arg Cys Arg Ala Lys Pro Pro Gly Arg Ala
 20 25 30

Cys Ser Asn Pro Ser Phe Leu Arg Phe Gln Leu Asp Phe Tyr Gln Val
 35 40 45

Tyr Phe Leu Ala Leu Ala Ala Asp Trp Leu Gln Ala Pro Tyr Leu Tyr
 50 55 60

Lys Leu Tyr Gln His Tyr Tyr Phe Leu Glu Gly Gln Ile Ala Ile Leu
 65 70 75 80

Tyr Val Cys Gly Leu Ala Ser Thr Val Leu Phe Gly Leu Val Ala Ser
 85 90 95

Ser Leu Val Asp Trp Leu Gly Arg Lys Asn Ser Cys Val Leu Phe Ser
 100 105 110

Leu Thr Tyr Ser Leu Cys Cys Leu Thr Lys Leu Ser Gln Asp Tyr Phe
 115 120 125

Val Leu Leu Val Gly Arg Ala Leu Gly Gly Leu Ser Thr Ala Leu Leu
 130 135 140

Phe Ser Ala Phe Glu Ala Trp Tyr Ile His Glu His Val Glu Arg His
 145 150 155 160

Asp Phe Pro Ala Glu Trp Ile Pro Ala Thr Phe Ala Arg Ala Ala Phe
 165 170 175

Trp Asn His Val Leu Ala Val Val Ala Gly Val Ala Ala Glu Ala Val
 180 185 190

Ala Ser Trp Ile Gly Leu Gly Pro Val Ala Pro Phe Val Ala Ala Ile
 195 200 205

Pro Leu Leu Ala Leu Ala Gly Ala Leu Ala Leu Arg Asn Trp Gly Glu
 210 215 220

Asn Tyr Asp Arg Gln Arg Ala Phe Ser Arg Thr Cys Ala Gly Gly Leu
 225 230 235 240

Arg Cys Leu Leu Ser Asp Arg Arg Val Leu Leu Leu Gly Thr Ile Gln
 245 250 255

Ala Leu Phe Glu Ser Val Ile Phe Ile Phe Val Phe Leu Trp Thr Pro
 260 265 270

Val Leu Asp Pro His Gly Ala Pro Leu Gly Ile Ile Phe Ser Ser Phe
 275 280 285

Met Ala Ala Ser Leu Leu Gly Ser Ser Leu Tyr Arg Ile Ala Thr Ser
 290 295 300

Lys Arg Tyr His Leu Gln Pro Met His Leu Leu Ser Leu Ala Val Leu
 305 310 315 320

Ile Val Val Phe Ser Leu Phe Met Leu Thr Phe Ser Thr Ser Pro Gly
 325 330 335

Gln Glu Ser Pro Val Glu Ser Phe Ile Ala Phe Leu Leu Ile Glu Leu
 340 345 350

Ala Cys Gly Leu Tyr Phe Pro Ser Met Ser Phe Leu Arg Arg Lys Val
 355 360 365

Ile Pro Glu Thr Glu Gln Ala Gly Val Leu Asn Trp Phe Arg Val Pro
 370 375 380

Leu His Ser Leu Ala Cys Leu Gly Leu Leu Val Leu His Asp Ser Asp
 385 390 395 400

Arg Lys Thr Gly Thr Arg Asn Met Phe Ser Ile Cys Ser Ala Val Met
 405 410 415

Val Met Ala Leu Leu Ala Val Val Gly Leu Phe Thr Val Val Arg His
 420 425 430

Asp Ala Glu Leu Arg Val Pro Ser Pro Thr Glu Glu Pro Tyr Ala Pro
 435 440 445

Glu Leu
 450

<210> 64
 <211> 322
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3044710

<400> 64
 Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp Thr
 1 5 10 15

Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu Ser Ile
 20 25 30

Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser Lys Lys Ala
 35 40 45

Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala Cys Arg Leu Leu
 50 55 60

Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu Thr Ala Leu Lys Ala
 65 70 75 80

Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val Gly Asp Gly Phe Val Val
 85 90 95

Ile Ser Arg Ile Ser Pro Asn Pro Lys Cys Gly Lys Asn Gly Val Gly
 100 105 110

Val Leu Ile Trp Lys Val Pro Val Ser Arg Gln Phe Ala Ala Tyr Cys
 115 120 125

Tyr Asn Ser Ser Asp Thr Trp Thr Asn Ser Cys Ile Pro Glu Ile Ile
 130 135 140

Thr Thr Lys Asp Pro Ile Phe Asn Thr Gln Thr Ala Thr Gln Thr Thr
 145 150 155 160

Glu Phe Ile Val Ser Asp Ser Thr Tyr Ser Val Ala Ser Pro Tyr Ser
 165 170 175

Thr Ile Pro Ala Pro Thr Thr Thr Pro Pro Ala Pro Ala Ser Thr Ser
 180 185 190

Ile Pro Arg Arg Lys Lys Leu Ile Cys Val Thr Glu Val Phe Met Glu
 195 200 205

Thr Ser Thr Met Ser Thr Glu Thr Glu Pro Phe Val Glu Asn Lys Ala
 210 215 220

Ala Phe Lys Asn Glu Ala Ala Gly Phe Gly Gly Val Pro Thr Ala Leu
 225 230 235 240

Leu Val Leu Ala Leu Leu Phe Phe Gly Ala Ala Ala Gly Leu Gly Phe
 245 250 255

Cys Tyr Val Lys Arg Tyr Val Lys Ala Phe Pro Phe Thr Asn Lys Asn
 260 265 270

Gln Gln Lys Glu Met Ile Glu Thr Lys Val Val Lys Glu Glu Lys Ala
 275 280 285

Asn Asp Ser Asn Pro Asn Glu Glu Ser Lys Lys Thr Asp Lys Asn Pro
 290 295 300

Glu Glu Ser Lys Ser Pro Ser Lys Thr Thr Val Arg Cys Leu Glu Ala
 305 310 315 320

Glu Val

<210> 65
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3120415

<400> 65
 Met Lys Leu Ala Ala Leu Leu Gly Leu Cys Val Ala Leu Ser Cys Ser
 1 5 10 15

Ser Ala Ala Ala Phe Leu Val Gly Ser Ala Lys Pro Val Ala Gln Pro
 20 25 30

Val Ala Ala Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly Thr Leu Ala
 35 40 45

Asn Pro Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu Leu Ser Ser Leu
 50 55 60

Gly Ile Pro Val Asn His Leu Ile Glu Gly Ser Gln Lys Cys Val Ala
 65 70 75 80

Glu Leu Gly Pro Gln Ala Val Gly Ala Val Lys Ala Leu Lys Ala Leu
 85 90 95

Leu Gly Ala Leu Thr Val Phe Gly
 100

<210> 66

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 126758

<400> 66

Met Lys Leu Val Thr Ile Phe Leu Leu Val Thr Ile Ser Leu Cys Ser
 1 5 10 15

Tyr Ser Ala Thr Ala Phe Leu Ile Asn Lys Val Pro Leu Pro Val Asp
 20 25 30

Lys Leu Ala Pro Leu Pro Leu Asp Asn Ile Leu Pro Phe Met Asp Pro
 35 40 45

Leu Lys Leu Leu Leu Lys Thr Leu Gly Ile Ser Val Glu His Leu Val
 50 55 60

Glu Gly Leu Arg Lys Cys Val Asn Glu Leu Gly Pro Glu Ala Ser Glu
 65 70 75 80

Ala Val Lys Lys Leu Leu Glu Ala Leu Ser His Leu Val
 85 90

<210> 67
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 674760

<400> 67
 Met Thr Ala Gly Gln Phe Pro Ala Leu Val Ser Leu Ala Leu Leu Leu
 1 5 10 15

Asp Gly Gly Arg Arg Ala Ser Ala Arg Arg Asn Arg Gly His Leu Trp
 20 25 30

Val Phe Cys Thr Ser Phe Leu Leu Ala Pro Trp Glu Val Glu Asp Val
 35 40 45

Gly Trp Lys Lys Gly Leu Asp Leu Pro Pro Ser Ser Ser Pro Pro Ser
 50 55 60

Pro Lys Glu Leu Ala Leu Gln
 65 70

<210> 68
 <211> 394
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1229438

<400> 68
 Met Lys Arg Gln Asn Val Arg Thr Leu Ala Leu Ile Val Cys Thr Phe
 1 5 10 15

Thr Tyr Leu Leu Val Gly Ala Ala Val Phe Asp Ala Leu Glu Ser Glu
 20 25 30

Pro Glu Leu Ile Glu Arg Gln Arg Leu Glu Leu Arg Gln Gln Glu Leu
 35 40 45

Arg Ala Arg Tyr Asn Leu Ser Gln Gly Gly Tyr Glu Glu Leu Glu Arg
 50 55 60

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Val | Leu | Arg | Leu | Lys | Pro | His | Lys | Ala | Gly | Val | Gln | Trp | Arg | Phe | 65 | 70 | 75 | 80 |
| Ala | Gly | Ser | Phe | Tyr | Phe | Ala | Ile | Thr | Val | Ile | Thr | Thr | Ile | Gly | Tyr | 85 | 90 | 95 | |
| Gly | His | Ala | Ala | Pro | Ser | Thr | Asp | Gly | Gly | Lys | Val | Phe | Cys | Met | Phe | 100 | 105 | 110 | |
| Tyr | Ala | Leu | Leu | Gly | Ile | Pro | Leu | Thr | Leu | Val | Met | Phe | Gln | Ser | Leu | 115 | 120 | 125 | |
| Gly | Glu | Arg | Ile | Asn | Thr | Leu | Val | Arg | Tyr | Leu | Leu | His | Arg | Ala | Lys | 130 | 135 | 140 | |
| Lys | Gly | Leu | Gly | Met | Arg | Arg | Ala | Asp | Val | Ser | Met | Ala | Asn | Met | Val | 145 | 150 | 155 | 160 |
| Leu | Ile | Gly | Phe | Phe | Ser | Cys | Ile | Ser | Thr | Leu | Cys | Ile | Gly | Ala | Ala | 165 | 170 | 175 | |
| Ala | Phe | Ser | His | Tyr | Glu | His | Trp | Thr | Phe | Phe | Gln | Ala | Tyr | Tyr | Tyr | 180 | 185 | 190 | |
| Cys | Phe | Ile | Thr | Leu | Thr | Thr | Ile | Gly | Phe | Gly | Asp | Tyr | Val | Ala | Leu | 195 | 200 | 205 | |
| Gln | Lys | Asp | Gln | Ala | Leu | Gln | Thr | Gln | Pro | Gln | Tyr | Val | Ala | Phe | Ser | 210 | 215 | 220 | |
| Phe | Val | Tyr | Ile | Leu | Thr | Gly | Leu | Thr | Val | Ile | Gly | Ala | Phe | Leu | Asn | 225 | 230 | 235 | 240 |
| Leu | Val | Val | Leu | Arg | Phe | Met | Thr | Met | Asn | Ala | Glu | Asp | Glu | Lys | Arg | 245 | 250 | 255 | |
| Asp | Ala | Glu | His | Arg | Ala | Leu | Leu | Thr | Arg | Asn | Gly | Gln | Ala | Gly | Gly | 260 | 265 | 270 | |
| Gly | Gly | Gly | Gly | Gly | Ser | Ala | His | Thr | Thr | Asp | Thr | Ala | Ser | Ser | Thr | 275 | 280 | 285 | |
| Ala | Ala | Ala | Gly | Gly | Gly | Gly | Phe | Arg | Asn | Val | Tyr | Ala | Glu | Val | Leu | 290 | 295 | 300 | |

His Phe Gln Ser Met Cys Ser Cys Leu Trp Tyr Lys Ser Arg Glu Lys
 305 310 315 320

Leu Gln Tyr Ser Ile Pro Met Ile Ile Pro Arg Asp Leu Ser Thr Ser
 325 330 335

Asp Thr Cys Val Glu Gln Ser His Ser Ser Pro Gly Gly Gly Gly Arg
 340 345 350

Tyr Ser Asp Thr Pro Ser Arg Arg Cys Leu Cys Ser Gly Ala Pro Arg
 355 360 365

Ser Ala Ile Ser Ser Val Ser Thr Gly Leu His Ser Leu Ser Thr Phe
 370 375 380

Arg Gly Leu Met Lys Arg Arg Ser Ser Val
 385 390

<210> 69

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1236935

<400> 69

Met Cys Pro Phe Phe Pro Leu Thr Ser Leu Ile Val Phe Leu Ile Leu
 1 5 10 15

Phe Phe Lys Thr Ile Ala Ser Ser Gly Ser Gly Gly Ser Cys Leu Gly
 20 25 30

Leu Pro Lys Cys Trp Asp Tyr Arg Arg Glu His Arg Ala Arg Pro Thr
 35 40 45

Ile Val Phe Ser Lys His Val Tyr Thr Tyr Ser Met Arg Met Gln Ile
 50 55 60

Glu Ile Ser Thr Asn Ile Ser Gln
 65 70

71

<210> 70
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1359283

<400> 70
Met Arg Leu Thr Gly Leu Thr Leu Leu Leu Ser Leu Met Glu Ser Leu
1 5 10 15

Gly Gln Val Glu Asp Arg Phe Phe Ser Thr His Arg Arg Phe Pro His
20 25 30

His Thr Pro Ile Ser Gly Leu Leu Cys Arg Glu Phe Ser Leu Pro Lys
35 40 45

Arg Ser Gly Val Pro Trp Thr Arg Val Leu Ile Ser Cys Ile Trp Arg
50 55 60

Ser Gly Ala Gly Lys Arg Met
65 70

<210> 71
<211> 247
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1450703

<400> 71
Met His Leu Ala Arg Leu Val Gly Ser Cys Ser Leu Leu Leu Leu Leu
1 5 10 15

Gly Ala Leu Ser Gly Trp Ala Ala Ser Asp Asp Pro Ile Glu Lys Val
20 25 30

Ile Glu Gly Ile Asn Arg Gly Leu Ser Asn Ala Glu Arg Glu Val Gly
35 40 45

Lys Ala Leu Asp Gly Ile Asn Ser Gly Ile Thr His Ala Gly Arg Glu
50 55 60

Val Glu Lys Val Phe Asn Gly Leu Ser Asn Met Gly Ser His Thr Gly
65 70 75 80

Lys Glu Leu Asp Lys Gly Val Gln Gly Leu Asn His Gly Met Asp Lys
85 90 95

Val Ala His Glu Ile Asn His Gly Ile Gly Gln Ala Gly Lys Glu Ala
100 105 110

Glu Lys Leu Gly His Gly Val Asn Asn Ala Ala Gly Gln Ala Gly Lys
115 120 125

Glu Ala Asp Lys Ala Val Gln Gly Phe His Thr Gly Val His Gln Ala
130 135 140

Gly Lys Glu Ala Glu Lys Leu Gly Gln Gly Val Asn His Ala Ala Asp
145 150 155 160

Gln Ala Gly Lys Glu Val Glu Lys Leu Gly Gln Gly Ala His His Ala
165 170 175

Ala Gly Gln Ala Gly Lys Glu Leu Gln Asn Ala His Asn Gly Val Asn
180 185 190

Gln Ala Ser Lys Glu Ala Asn Gln Leu Leu Asn Gly Asn His Gln Ser
195 200 205

Gly Ser Ser Ser His Gln Gly Gly Ala Thr Thr Thr Pro Leu Ala Ser
210 215 220

Gly Ala Ser Val Asn Thr Pro Phe Ile Asn Leu Pro Ala Leu Trp Arg
225 230 235 240

Ser Val Ala Asn Ile Met Pro
245

<210> 72

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1910668

<400> 72

Met Thr Cys Trp Met Leu Pro Pro Ile Ser Phe Leu Ser Tyr Leu Pro
1 5 10 15

Leu Trp Leu Gly Pro Ile Trp Pro Cys Ser Gly Ser Thr Leu Gly Lys
 20 25 30

Pro Asp Pro Gly Val Trp Pro Ser Leu Phe Arg Pro Trp Asp Ala Ala
 35 40 45

Ser Pro Gly Asn Tyr Ala Leu Ser Arg Gly Glu Asn Gln Tyr Glu Lys
 50 55 60

Trp Gly Gln Gly Thr His Ser Ser Leu
 65 70

<210> 73
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1955143

<400> 73
 Met Gly Arg Leu Arg Tyr Phe Phe Ser Leu Leu Leu Leu Arg Trp Gly
 1 5 10 15

Gln Leu Leu Gly Ala Asp Glu Phe Cys Cys His Lys Ser Tyr Ile Ala
 20 25 30

His Leu Val Cys Thr Glu Ser Ala Ile Leu Asn Pro Gly His Ala Leu
 35 40 45

Glu Leu Tyr Lys Lys Asn Leu Gln Val Ser Ile Leu Ser Pro Tyr Pro
 50 55 60

Thr Asp Pro Ile His Leu
 65 70

<210> 74
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1961637

<400> 74

Met Met Phe Thr Ser Leu Ser Leu Ala Leu Pro Phe Leu Leu Gln Thr
 1 5 10 15

Met Leu Cys Leu Arg Ala Leu Leu Ile Ala Val Pro His Gly His Asp
 20 25 30

Trp Asn Arg Asp Ala Thr Ser Phe Tyr Thr Ser Thr Val Ser Trp Val
 35 40 45

Lys Ser Phe Phe Leu Phe Val Leu Asp Gly Val Ser Leu Leu Leu Pro
 50 55 60

Arg Leu Glu
 65

<210> 75

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1990762

<400> 75

Met Trp Pro Thr Thr Trp Ala Trp Ser Trp Val Gln Thr Leu Thr Leu
 1 5 10 15

Ala Leu Leu Ile Ser Cys Val Thr Leu Gly Gln Leu Ile Thr Thr Leu
 20 25 30

Gln Val Ser Phe Leu Ile Cys Glu Met Asp Val Ile Ile Gly Cys Asp
 35 40 45

Glu Met Ile Pro Ser Glu Ser Leu Val Leu Leu Trp Pro Pro Pro Leu
 50 55 60

Leu Leu Leu Gly Glu Phe Trp Ile Trp Asn Pro Val Ser Arg Ile Leu
 65 70 75 80

Phe Trp Leu Cys His Val Pro Ala Gly Gln Leu
 85 90

<210> 76
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

<400> 76
 Met Asn Glu Trp Trp Leu Leu Leu Leu Leu His Leu His Pro Pro Arg
 1 5 10 15

Val Ile Ser Pro Phe Trp Phe Ile Val Ser Val Leu Thr Ala Cys Asp
 20 25 30

Asn Arg Lys Tyr Ile Leu Leu Arg Thr Val Pro Val Phe Ser Phe Pro
 35 40 45

Glu Asn Thr Tyr Phe Asp Val Gly
 50 55

<210> 77
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

<400> 77
 Met Pro Leu Phe Leu Ser Ile Pro Ser Leu Phe Leu Thr Leu Ser Gly
 1 5 10 15

Leu Gly Leu Ala Val Gln Ser Pro Ala Gly Gly Cys Trp Gly Leu Ser
 20 25 30

Leu Cys Arg His Cys Val Phe Leu Arg Gly Cys Pro Gln Asn Thr Pro
 35 40 45

Pro Ala Pro Trp Gly Ser Ser Gly Ser His Phe Ser Trp Ser Leu Arg
 50 55 60

Ser Gln Lys Gln Leu Leu Gln Glu Ala Lys Lys Arg Leu Gly Trp Leu
 65 70 75 80

Leu Val Leu Met Met Ala Phe Ile Leu Leu Gly His Phe Gly Tyr Ile
 85 90 95



76

His Gly His Cys Phe His Leu Ser Phe Leu Pro Val Pro Pro Leu Pro
100 105 110

<210> 78

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009035

<400> 78

Met Met Leu Gln Pro Val Asp Leu Leu Gln Ser Tyr Leu Leu Leu Leu
1 5 10 15

Tyr Cys Trp Ser Phe Ser Leu Leu Phe Thr Leu Leu Cys Asn Ala Val
20 25 30

Arg Asn Asp Phe Phe His Lys Leu Phe Ser Ile Tyr Trp Met Tyr Asn
35 40 45

Leu Thr His Ser Lys His
50

<210> 79

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2009152

<400> 79

Met Lys Phe Tyr Ala Val Leu Leu Ser Ile Cys Leu Leu Leu Ser Cys
1 5 10 15

Trp Cys Ala Cys His Val Arg Asp Cys Asn Leu Ile Cys Leu Phe Ser
20 25 30

Thr Val Lys Ala Ile Thr Arg Glu Leu Leu Gln Leu Pro Ser Tyr Val
35 40 45

Lys Arg Phe Phe Phe Asn Ser Leu Arg
50 55

<210> 80
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061752

<400> 80
 Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser Lys
 1 5 10 15

Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile Ile
 20 25 30

Ile Ser Leu Arg Ala Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe Pro
 35 40 45

Gln Tyr Phe Pro
 50

<210> 81
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061933

<400> 81
 Met Lys Leu Leu Leu Lys Leu Asp Phe Phe Ile Leu Leu Gly Ser
 1 5 10 15

Glu Glu Ser Arg Cys Leu Val Asp Val Gln Tyr Val Ile Phe Phe Leu
 20 25 30

Ile Glu Cys Val His Leu Lys Ser Ser Leu Thr Phe Leu Glu Arg Leu
 35 40 45

Leu Ser Ile Asn Asn Gly Ile Leu Glu Glu Lys Trp Phe Phe Lys Ser
 50 55 60

<210> 82
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2081422

<400> 82

Met Lys Pro Leu Ile Pro Phe Leu Ser Pro Pro Pro Leu Leu Pro Leu
 1 5 10 15

Thr Phe Phe Leu Ser Ser Leu Leu Leu Ser Pro Leu Cys Arg Ala Leu
 20 25 30

Gly Thr Ser Gln Ala Val Pro Pro Leu Arg Ala Leu Ser Val Thr Asp
 35 40 45

Ala His Gly Ser Leu Leu Leu His Pro Lys Thr Leu Ala Cys Pro Cys
 50 55 60

Leu
 65

<210> 83

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 83

Met Arg Ala Asp Arg Leu Leu Pro Ile Ser Ala Leu Cys Leu Leu Tyr
 1 5 10 15

Thr Pro Gly Gly Ala Leu Glu Pro Ala Gln Val Gly Tyr Thr Ile Phe
 20 25 30

Leu Asn Ser Ile Trp Leu Pro Ala Tyr Phe Phe His Leu Phe Thr Val
 35 40 45

Ile Ser Gly Val Phe Leu Phe Ile
 50 55

<210> 84

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 84

Met Pro Ala Leu Pro Pro Gly Phe Ser Gln Ala Gly Ser Cys Val Pro
 1 5 10 15

Thr Gly Ser Ser Leu Val Leu Cys Leu Leu Ala Ala Ser Leu Leu Leu
 20 25 30

Phe Val Pro Thr Leu Ala Leu Leu Thr Gly Ala Thr Thr Cys Trp Cys
 35 40 45

Leu His Asn Lys Arg Leu Ala Leu Arg Pro Leu Ala Trp Gln Gly Leu
 50 55 60

Trp Gly Leu Val Ser Thr Arg Leu Ser His Gly Arg Thr Ser Phe Tyr
 65 70 75 80

Phe Asn Ser Leu Pro Leu Gln Thr Asn Ser Ser Thr Cys Gln Asn His
 85 90 95

Ser Trp Asp Ser Gly Ala Arg Ala Thr Ala Leu Ala Ser Gly Arg Thr
 100 105 110

Gln Glu Gly Gly Val Gly Ser Val
 115 120

<210> 85

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2241736

<400> 85

Met Asn Ser Leu Val Leu Phe Leu Gly His Leu Gly Leu Leu Ile Lys
 1 5 10 15

Asp Cys Val Leu Leu Phe Ala Met Ser Lys Val Ser Gln Lys Gln Lys
 20 25 30

Val Leu Gly Pro Phe Gly Ser Pro Glu Leu Glu Ser Leu Gly Ile Gly
 35 40 45

Pro Arg Tyr Leu His Phe His Arg Phe Leu Val Gly Asp Phe Leu Gln
 50 55 60

Ala Lys Val
 65

<210> 86
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

<400> 86
 Met Ala Trp Leu Ser Phe Ala Ala Val Glu Met Thr Leu Leu Leu His
 1 5 10 15

Ser Ser Ser Leu Leu Ser Phe Ala Lys Val Val Leu Ser Leu Pro Glu
 20 25 30

Ile Arg Pro Phe Gly Asp Gly Asn Phe Ser Leu Lys Gln Ser Ser Lys
 35 40 45

Gln Asn Pro Asn Pro Ala Arg Val Gly Arg Lys Ser Met Phe
 50 55 60

<210> 87
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2295344

<400> 87
 Met Met Ile Leu Leu Ser Leu Leu Val Ala Leu Ile Ser Val Ser Leu
 1 5 10 15

Val Phe Leu Gly Leu Val Arg Phe Ser Arg Glu Asp Phe Ser Phe Pro
 20 25 30

Leu Trp Arg Glu Lys Ala Phe Tyr Gln His Ser Ser Ser Ser Val Gly
 35 40 45

81

Glu Arg Leu Gln Ala Leu Arg Lys His Ala Phe Thr Leu Phe Gly Thr
50 55 60

Ile Pro Leu Leu Val Thr Val Pro Gln Val Pro
65 70 75

<210> 88
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2303994

<400> 88
Met Asn Ser Ile Phe Phe Leu Ser Leu Cys Leu Pro Leu Trp Val Ser
1 5 10 15

Leu Leu Trp Ala Lys Pro Leu Glu Met His Lys Thr Ser Arg His Gly
20 25 30

Phe Trp Gln Lys Leu His Asp Phe Lys Leu Ala Leu Leu Leu Thr
35 40 45

Phe His Arg Glu Lys Ile Phe Pro Leu Lys Lys Thr Gly Leu Val Ile
50 55 60

Phe Ser Leu Val Ala Leu Ser Arg Asp Ile Ser Ala Leu His Tyr Thr
65 70 75 80

<210> 89
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2497805

<400> 89
Met Arg Pro Ala Arg Leu Gly Pro Arg Cys Ser Asp Leu Asp Phe Gly
1 5 10 15

Leu Val Leu Ser Ser Trp Leu Arg Leu Ala Arg Cys Pro Leu Glu Ser
20 25 30

Ser Phe Gly Phe Ala Phe Phe Val Cys Leu Phe Ser Pro Asn Phe Cys
35 40 45

Gln Thr
50

<210> 90
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2646362

<400> 90
Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys
1 5 10 15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro
20 25 30

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu
35 40 45

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly
50 55 60

Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys
65 70 75 80

Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp
85 90 95

Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln
100 105 110

Arg Leu Cys Pro
115

<210> 91
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2657146

<400> 91

Met Ile Cys Gln Cys Leu Arg Leu Leu Leu Val Leu Val Thr Leu Leu
 1 5 10 15

Ile Cys Phe Ser Pro Asp Arg Leu Thr Cys Pro Leu Asn Ser Ala Val
 20 25 30

Val Leu Ala Ser Tyr Ala Val Gln Cys Lys Ser Gln Arg Glu His Phe
 35 40 45

Thr Asp Gly Gln Val Val Leu Ile Ser Val Trp Arg Lys Ser Leu Val
 50 55 60

Pro Pro Ala
 65

<210> 92

<211> 538

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2755786

<400> 92

Met Ala Gly Ala Arg Ala Ala Ala Ala Ala Ala Ser Ala Gly Ser Ser
 1 5 10 15

Ala Ser Ser Gly Asn Gln Pro Pro Gln Glu Leu Gly Leu Gly Glu Leu
 20 25 30

Leu Glu Glu Phe Ser Arg Thr Gln Tyr Arg Ala Lys Asp Gly Ser Gly
 35 40 45

Thr Gly Gly Ser Lys Val Glu Arg Ile Glu Lys Arg Cys Leu Glu Leu
 50 55 60

Phe Gly Arg Asp Tyr Cys Phe Ser Val Ile Pro Asn Thr Asn Gly Asp
 65 70 75 80

Ile Cys Gly His Tyr Pro Arg His Ile Val Phe Leu Glu Tyr Glu Ser
 85 90 95

Ser Glu Lys Glu Lys Asp Thr Phe Glu Ser Thr Val Gln Val Ser Lys
 100 105 110

Leu Gln Asp Leu Ile His Arg Ser Lys Met Ala Arg Cys Arg Gly Arg
 115 120 125

Phe Val Cys Pro Val Ile Leu Phe Lys Gly Lys His Ile Cys Arg Ser
 130 135 140

Ala Thr Leu Ala Gly Trp Gly Glu Leu Tyr Gly Arg Ser Gly Tyr Asn
 145 150 155 160

Tyr Phe Phe Ser Gly Gly Ala Asp Asp Ala Trp Ala Asp Val Glu Asp
 165 170 175

Val Thr Glu Glu Asp Cys Ala Leu Arg Ser Gly Asp Thr His Leu Phe
 180 185 190

Asp Lys Val Arg Gly Tyr Asp Ile Lys Leu Leu Arg Tyr Leu Ser Val
 195 200 205

Lys Tyr Ile Cys Asp Leu Met Val Glu Asn Lys Lys Val Lys Phe Gly
 210 215 220

Met Asn Val Thr Ser Ser Glu Lys Val Asp Lys Ala Gln Arg Tyr Ala
 225 230 235 240

Asp Phe Thr Leu Leu Ser Ile Pro Tyr Pro Gly Cys Glu Phe Phe Lys
 245 250 255

Glu Tyr Lys Asp Arg Asp Tyr Met Ala Glu Gly Leu Ile Phe Asn Trp
 260 265 270

Lys Gln Asp Tyr Val Asp Ala Pro Leu Ser Ile Pro Asp Phe Leu Thr
 275 280 285

His Ser Leu Asn Ile Asp Trp Ser Gln Tyr Gln Cys Trp Asp Leu Val
 290 295 300

Gln Gln Thr Gln Asn Tyr Leu Lys Leu Leu Leu Ser Leu Val Asn Ser
 305 310 315 320

Asp Asp Asp Ser Gly Leu Leu Val His Cys Ile Ser Gly Trp Asp Arg
 325 330 335

Thr Pro Leu Phe Ile Ser Leu Leu Arg Leu Ser Leu Trp Ala Asp Gly
 340 345 350

Leu Ile His Thr Ser Leu Lys Pro Thr Glu Ile Leu Tyr Leu Thr Val
 355 360 365

Ala Tyr Asp Trp Phe Leu Phe Gly His Met Leu Val Asp Arg Leu Ser
 370 375 380

Lys Gly Glu Glu Ile Phe Phe Phe Cys Phe Asn Phe Leu Lys His Ile
 385 390 395 400

Thr Ser Glu Glu Phe Ser Ala Leu Lys Thr Gln Arg Arg Lys Ser Leu
 405 410 415

Pro Ala Arg Asp Gly Gly Phe Thr Leu Glu Asp Ile Cys Met Leu Arg
 420 425 430

Arg Lys Asp Arg Gly Ser Thr Thr Ser Leu Gly Ser Asp Phe Ser Leu
 435 440 445

Val Met Glu Ser Ser Pro Gly Ala Thr Gly Ser Phe Thr Tyr Glu Ala
 450 455 460

Val Glu Leu Val Pro Ala Gly Ala Pro Thr Gln Ala Ala Trp Leu Ala
 465 470 475 480

Ala Leu Ser Asp Arg Glu Thr Arg Leu Gln Glu Val Arg Ser Ala Phe
 485 490 495

Leu Ala Ala Tyr Ser Ser Thr Val Gly Leu Arg Ala Val Ala Pro Ser
 500 505 510

Pro Ser Gly Ala Ile Gly Gly Leu Leu Glu Gln Phe Ala Arg Gly Val
 515 520 525

Gly Leu Arg Ser Ile Ser Ser Asn Ala Leu
 530 535

<210> 93

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2831245

<400> 93

Met Glu Met Lys Gly Ser Arg Val Trp Leu Leu Leu Leu Phe Met Trp
 1 5 10 15

Lys Ala Arg Pro Thr Phe Phe Gln Ser Cys Val Val Pro Phe Ile Leu
 20 25 30

Ser Pro Gln Asn Cys Val Gln Thr His Ser Leu Gly Pro Gly Val Trp
 35 40 45

Leu Gly Val Phe Pro Ser Gly Ser Leu His
 50 55

<210> 94

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3116250

<400> 94

Met Lys Val Leu Ile Ser Ser Leu Leu Leu Leu Leu Pro Leu Met Leu
 1 5 10 15

Met Ser Met Val Ser Ser Ser Leu Asn Pro Gly Val Ala Arg Gly His
 20 25 30

Arg Asp Arg Gly Gln Ala Ser Arg Arg Trp Leu Gln Glu Gly Gly Gln
 35 40 45

Glu Cys Glu Cys Lys Asp Trp Phe Leu Arg Ala Pro Arg Arg Lys Phe
 50 55 60

Met Thr Val Ser Gly Leu Pro Lys Lys Gln Cys Pro Cys Asp His Phe
 65 70 75 80

Lys Gly Asn Val Lys Lys Thr Arg His Gln Arg His His Arg Lys Pro
 85 90 95

Asn Lys His Ser Arg Ala Cys Gln Gln Phe Leu Lys Gln Cys Gln Leu
 100 105 110

Arg Ser Phe Ala Leu Pro Leu
115

<210> 95
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3129630

<400> 95
Met Ala Tyr Ser Thr Val Gln Arg Val Ala Leu Ala Ser Gly Leu Val
1 5 10 15

Leu Ala Leu Ser Leu Leu Leu Pro Lys Ala Phe Leu Ser Arg Gly Lys
20 25 30

Arg Gln Glu Pro Pro Pro Thr Pro Glu Gly Lys Leu Gly Arg Phe Pro
35 40 45

Pro Met Met His His His Gln Ala Pro Ser Asp Gly Gln Thr Pro Gly
50 55 60

Ala Arg Phe Gln Arg Ser His Leu Ala Glu Ala Phe Ala Lys Ala Lys
65 70 75 80

Gly Ser Gly Gly Gly Ala Gly Gly Gly Gly Ser Gly Arg Gly Leu Met
85 90 95

Gly Gln Ile Ile Pro Ile Tyr Gly Phe Gly Ile Phe Leu Tyr Ile Leu
100 105 110

Tyr Ile Leu Phe Lys Val Ser Arg Ile Ile Leu Ile Ile Leu His Gln
115 120 125

<210> 96
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 007632

<400> 96

Met Tyr Lys Leu Ala Ser Cys Cys Leu Leu Phe Ile Gly Phe Leu Asn
 1 5 10 15

Pro Leu Leu Ser Leu Pro Leu Leu Asp Ser Arg Glu Ile Ser Phe Gln
 20 25 30

Leu Ser Ala Pro His Glu Asp Ala Arg Leu Thr Pro Glu Glu Leu Glu
 35 40 45

Arg Ala Ser Leu Leu Gln Ile Leu Pro Glu Met Leu Gly Ala Glu Arg
 50 55 60

Gly Asp Ile Leu Arg Lys Ala Asp Ser Ser Thr Asn Ile Phe Asn Pro
 65 70 75 80

Arg Gly Asn Leu Arg Lys Phe Gln Asp Phe Ser Gly Gln Asp Pro Asn
 85 90 95

Ile Leu Leu Ser His Leu Leu Ala Arg Ile Trp Lys Pro Tyr Lys Lys
 100 105 110

Arg Glu Thr Pro Asp Cys Phe Trp Lys Tyr Cys Val
 115 120

<210> 97

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1236968

<400> 97

Met Trp Pro Leu Ser Ser Asp Ser Ser Trp Ser Leu Trp Ile Ser Thr
 1 5 10 15

Gly Met Ala Pro Ala Pro Ser Ser Ser Thr Arg Ser Phe Ser Glu Ser
 20 25 30

Leu Lys Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu Ile Leu Ser
 35 40 45

Glu Lys Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile Ser Ile Val Ser
 50 55 60

Gly Gln Gln Ser His Thr Tyr Asp Asp Leu Leu His Lys Asn Gln Gln
65 70 75 80

Leu Thr Met Gln Val Ala Cys Leu Asn Gln Glu Leu Ala Gln Leu Lys
85 90 95

Lys Leu Glu Lys Thr Val Ala Ile Leu His Glu Ser Gln Arg Ser Leu
100 105 110

Val Val Thr Asn Glu Tyr Leu Leu Gln Gln Leu Asn Lys Glu Pro Lys
115 120 125

Gly Tyr Ser Gly Lys Ala Leu Leu Pro Pro Glu Lys Gly His His Leu
130 135 140

Gly Arg Ser Ser Pro Phe Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro
145 150 155 160

Val Ala His Glu Thr Gly Gln Tyr Leu Ile Gln Ser Val Leu Asp Ala
165 170 175

Ala Pro Glu Pro Gly Leu
180

<210> 98

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1334153

<400> 98

Met Lys Gly Ile Leu Val Ala Gly Ile Thr Ala Val Leu Val Ala Ala
1 5 10 15

Val Glu Ser Leu Ser Cys Val Pro Cys Asn Ser Trp Glu Lys Ser Cys
20 25 30

Val Asn Ser Ile Ala Ser Glu Cys Pro Ser His Ala Asn Thr Ser Cys
35 40 45

Ile Ser Ser Ser Ala Ser Ser Ser Leu Glu Thr Pro Val Arg Leu Tyr
50 55 60

Gln Asn Met Phe Cys Ser Ala Glu Asn Cys Ser Glu Glu Thr His Ile
65 70 75 80

Thr Ala Phe Thr Val His Val Ser Ala Glu Glu His Phe His Phe Val
85 90 95

Ser Gln Cys Cys Gln Gly Lys Glu Cys Ser Asn Thr Ser Asp Ala Leu
100 105 110

Asp Pro Pro Leu Lys Asn Val Ser Ser Asn Ala Glu Cys Pro Ala Cys
115 120 125

Tyr Glu Ser Asn Gly Thr Ser Cys Arg Gly Lys Pro Trp Lys Cys Tyr
130 135 140

Glu Glu Glu Gln Cys Val Phe Leu Val Ala Glu Leu Lys Asn Asp Ile
145 150 155 160

Glu Ser Lys Ser Leu Val Leu Lys Gly Cys Ser Asn Val Ser Asn Ala
165 170 175

Thr Cys Gln Phe Leu Ser Gly Glu Asn Lys Thr Leu Gly Gly Val Ile
180 185 190

Phe Arg Lys Phe Glu Cys Ala Asn Val Asn Ser Leu Thr Pro Thr Ser
195 200 205

Ala Pro Thr Thr Ser His Asn Val Gly Ser Lys Ala Ser Leu Tyr Leu
210 215 220

Leu Ala Leu Ala Ser Leu Leu Leu Arg Gly Leu Leu Pro
225 230 235

<210> 99

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1396975

<400> 99

Met Arg Pro Gly Pro Met Leu Gln Ala Arg Val Ser Ile Pro Ala Ala
1 5 10 15

Leu Gly Thr Leu Phe Pro Arg Pro Gly Trp Ala Pro Gly Glu Val Ser
 20 25 30

Ser Glu Ile Ser Ser Arg Asp Leu Leu Asn Pro His Pro Ser Thr Pro
 35 40 45

Ser Cys Cys Ser Gln Ser Trp Ser Pro Met Ser Val Leu Glu Pro Asp
 50 55 60

Ser Arg Gly Pro Pro Pro Ile Ser Leu Thr His Thr Gly Ile His Thr
 65 70 75 80

Pro Gln Lys Thr Ser Gln Met Arg Pro Asp Ser Gly Ser Arg Gly Met
 85 90 95

Cys Phe Cys Pro Cys Lys Gly Phe Gly Glu Gly Gly Asn Ile Val Glu
 100 105 110

Ala Gly Lys Ser Pro Gln Thr Cys Ala His Ala Pro Pro Ala Leu Arg
 115 120 125

Phe His Ser Ala Phe Ser Glu Cys Pro Cys Cys Thr Gln Thr Thr Gly
 130 135 140

Gln Glu Arg Pro Ser Leu Pro Leu Gln Pro Leu Ser Leu Pro Phe Asn
 145 150 155 160

<210> 100

<211> 148

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1501749

<400> 100

Met Ala Ala Ser Pro Ala Arg Pro Ala Val Leu Ala Leu Thr Gly Leu
 1 5 10 15

Ala Leu Leu Leu Leu Leu Cys Trp Gly Pro Gly Gly Ile Ser Gly Asn
 20 25 30

Lys Leu Lys Leu Met Leu Gln Lys Arg Glu Ala Pro Val Pro Thr Lys
 35 40 45

Thr Lys Val Ala Val Asp Glu Asn Lys Ala Lys Glu Phe Leu Gly Ser
50 55 60

Leu Lys Arg Gln Lys Arg Gln Leu Trp Asp Arg Thr Arg Pro Glu Val
65 70 75 80

Gln Gln Trp Tyr Gln Gln Phe Leu Tyr Met Gly Phe Asp Glu Ala Lys
85 90 95

Phe Glu Asp Asp Ile Thr Tyr Trp Leu Asn Arg Asp Arg Asn Gly His
100 105 110

Glu Tyr Tyr Gly Asp Tyr Tyr Gln Arg His Tyr Asp Glu Asp Ser Ala
115 120 125

Ile Gly Pro Arg Ser Pro Tyr Gly Phe Arg His Gly Ala Ser Val Asn
130 135 140

Tyr Asp Asp Tyr
145

<210> 101

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1575240

<400> 101

Met Thr Pro Thr Lys Arg Glu Pro Pro Ala Ala Pro Leu Leu Leu Arg
1 5 10 15

Val Leu Pro Gln Leu Ser Ala Met Ser Leu Arg Leu Ser Thr Arg Arg
20 25 30

Glu Asp Met Ile Gly Gln Thr Ser Gly Met Cys Ser Phe Cys Ser Phe
35 40 45

Gln Asn Met Arg Gly Glu Ser Ile Trp Leu Leu Cys Leu Glu Glu Glu
50 55 60

Gly Ala Gly Leu Cys Gln Asn Ser Leu Asp Lys Arg Phe Ser Gln Lys
65 70 75 80

Gly Pro Thr Cys Pro Thr Phe His Leu Thr Asp Glu Lys Thr Glu Ala
 100 105 110

Gly Arg Gly Tyr Val Thr Cys Leu Arg Ser Lys Pro Val Gln Gly Pro
 115 120 125

Val Asn Gly Val Ser Gly Ala Gly Leu Asp Val Thr Asp Pro Arg Trp
 130 135 140

Leu Leu Val Ile Phe His
 145 150

<210> 103

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1661144

<400> 103

Met Gly Cys Leu Val Trp Gly Pro Ser Trp Pro Pro Leu Ser Leu Leu
 1 5 10 15

Ala Ser Leu Leu His Ser Gly Ile Ala Gly Arg Cys Leu Leu Cys Leu
 20 25 30

Phe Lys Gly Leu Ala Ala Ala Ala Ser Leu Gln Ile Arg Asp Leu Ala
 35 40 45

Ser Arg Leu Thr Thr Gly Pro Arg Thr Cys Arg Val Gln Pro Pro Pro
 50 55 60

His Pro Gln Ser Ser Pro Pro Trp Pro Gly Pro Pro Gly Ala Glu Thr
 65 70 75 80

Cys Arg Pro Leu Ser Arg Thr Val Gly Gly Val Cys Pro Ser Asp Trp
 85 90 95

Pro Val Ser Trp Leu Leu Leu Pro Pro Leu Pro Glu Val Val Thr Cys
 100 105 110

Ser Cys Pro Arg Ile Lys Ala Arg Pro Glu Arg Thr Pro Glu Leu Leu
 115 120 125

Cys Ala Trp Gly Gly Arg Gly Lys His Ser Gln Leu Val Ala
 130 135 140

<210> 104
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1685409

<400> 104
 Met Glu Thr Gly Arg Leu Leu Ser Leu Ser Ser Leu Pro Leu Val Leu
 1 5 10 15

Leu Gly Trp Glu Tyr Ser Ser Gln Thr Leu Asn Leu Val Pro Ser Thr
 20 25 30

Ser Ile Leu Ser Phe Val Pro Phe Ile Pro Leu His Leu Val Leu Phe
 35 40 45

Ala Leu Trp Tyr Leu Pro Val Pro His His Leu Tyr Pro Gln Gly Leu
 50 55 60

Gly Asp His Ala Ala Glu Ala Glu Lys Gly Lys Arg Glu Glu Gly Gly
 65 70 75 80

Thr Gln Val Ala Leu Trp Leu Arg Val Gln Pro Ser Cys Pro Ser Pro
 85 90 95

Val Cys Leu Glu Pro Val Pro Pro Arg Ser Arg Phe Leu Leu
 100 105 110

<210> 105
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1731419

<400> 105
 Met Ser Arg Ala Gly Met Leu Gly Val Val Cys Ala Leu Leu Val Trp
 1 5 10 15

Ala Tyr Leu Ala Val Gly Lys Leu Val Val Arg Met Thr Phe Thr Glu
20 25 30

Leu Cys Thr His His Pro Trp Ser Leu Arg Cys Glu Ser Phe Cys Arg
35 40 45

Ser Arg Val Thr Ala Cys Leu Pro Ala Pro Ala Pro Trp Leu Arg Pro
50 55 60

Phe Leu Cys Pro Met Leu Phe Ser Asp Arg Asn Pro Val Glu Cys His
65 70 75 80

Leu Phe Gly Glu Ala Val Ser Asp Pro Val Cys Lys Gly Leu Leu Pro
85 90 95

His Tyr Phe Trp His Pro Thr Phe Phe Pro Val Lys Ala Asn Cys Leu
100 105 110

Val Ser Phe Cys Pro Thr Thr Val
115 120

<210> 106

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2650265

<400> 106

Met Ala Arg Phe Trp Val Cys Val Ala Gly Ala Gly Phe Phe Leu Ala
1 5 10 15

Phe Leu Val Leu His Ser Arg Phe Cys Gly Ser Pro Val Leu Arg Asn
20 25 30

Phe Thr Phe Ala Val Ser Trp Arg Thr Glu Lys Ile Leu Tyr Arg Leu
35 40 45

Asp Val Gly Trp Pro Lys His Pro Glu Tyr Phe Thr Gly Thr Thr Phe
50 55 60

Cys Val Ala Val Asp Ser Leu Asn Gly Leu Val Tyr Ile Gly Gln Arg
65 70 75 80

Gly Asp Asn Ile Pro Lys Ile Leu Val Phe Thr Glu Asp Gly Tyr Phe
 85 90 95

Leu Arg Ala Trp Asn Tyr Thr Val Asp Thr Pro His Gly Ile Phe Ala
 100 105 110

Ala Ser Thr Leu Tyr Glu Gln Ser Val Trp Ile Thr Asp Val Gly Ser
 115 120 125

Gly Met Tyr Ser Asn Ile Tyr
 130 135

<210> 107

<211> 301

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2677129

<400> 107

Met Leu Met Ile Ile Ile Ile Glu Pro Phe Ser Val Leu Ile Leu Phe
 1 5 10 15

Lys Ser Gly Ile Leu Ala Asp Phe Phe Ala Leu Leu Leu Leu Ile Asn
 20 25 30

Phe Phe Leu Val Ser Phe Phe Leu Ala Tyr Pro Leu Phe Asn Asn Gln
 35 40 45

Ile Asn Ser Arg Ser Met Asn Glu Ile Lys Asn Leu Gln Tyr Leu Pro
 50 55 60

Arg Thr Ser Glu Pro Arg Glu Val Leu Phe Glu Asp Arg Thr Arg Ala
 65 70 75 80

His Ala Asp His Val Gly Gln Gly Phe Asp Trp Gln Ser Thr Ala Ala
 85 90 95

Val Gly Val Leu Lys Ala Val Gln Phe Gly Glu Trp Ser Asp Gln Pro
 100 105 110

Arg Ile Thr Lys Asp Val Ile Cys Phe His Ala Glu Asp Phe Thr Asp
 115 120 125

Val Val Gln Arg Leu Gln Leu Asp Leu His Glu Pro Pro Val Ser Gln
 130 135 140

Cys Val Gln Trp Val Asp Glu Ala Lys Leu Asn Gln Met Arg Arg Glu
 145 150 155 160

Gly Ile Arg Tyr Ala Arg Ile Gln Leu Cys Asp Asn Asp Ile Tyr Phe
 165 170 175

Ile Pro Arg Asn Val Ile His Gln Phe Lys Thr Val Ser Ala Val Cys
 180 185 190

Ser Leu Ala Trp His Ile Arg Leu Lys Gln Tyr His Pro Val Val Glu
 195 200 205

Ala Thr Gln Asn Thr Glu Ser Asn Ser Asn Met Asp Cys Gly Leu Thr
 210 215 220

Gly Lys Arg Glu Leu Glu Val Asp Ser Gln Cys Val Arg Ile Lys Thr
 225 230 235 240

Glu Ser Glu Glu Ala Cys Thr Glu Ile Gln Leu Leu Thr Thr Ala Ser
 245 250 255

Ser Ser Phe Pro Pro Ala Ser Glu Leu Asn Leu Gln Gln Asp Gln Lys
 260 265 270

Thr Gln Pro Ile Pro Val Leu Lys Val Glu Ser Arg Leu Asp Ser Asp
 275 280 285

Gln Gln His Asn Leu Gln Glu His Ser Thr Thr Ser Val
 290 295 300

<210> 108

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3151073

<400> 108

Met Ser Phe Val Pro Gly Leu Leu Leu Cys Phe Val Leu Leu Leu Cys
 1 5 10 15

Val Ser Pro Val Tyr Leu Pro Ser Arg Ser Pro Ser Thr Phe Pro Ile
 20 25 30

Ser Glu Pro Leu Ser Phe Ile Gly Met Ser Ala Trp Pro Gln Cys Ser
 35 40 45

Pro Ile Tyr Ser Gln Thr Pro Gly Leu Ala Tyr Glu Pro Ser Ser Phe
 50 55 60

Pro Lys Arg Arg Tyr Trp Val Cys Thr Leu His Glu Ile Lys Trp Glu
 65 70 75 80

Cys Pro Arg Ser Arg Arg Thr Ser Asp Ala Val His Ala Asn Lys Leu
 85 90 95

Gly Leu Pro Leu Lys Ile Ile
 100

<210> 109

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3170095

<400> 109

Met Lys Phe Leu Leu Leu Val Leu Ala Ala Leu Gly Phe Leu Thr Gln
 1 5 10 15

Val Ile Pro Ala Ser Ala Gly Gly Ser Lys Cys Val Ser Asn Thr Pro
 20 25 30

Gly Tyr Cys Arg Thr Cys Cys His Trp Gly Glu Thr Ala Leu Phe Met
 35 40 45

Cys Asn Ala Ser Arg Lys Cys Cys Ile Ser Tyr Ser Phe Leu Pro Lys
 50 55 60

Pro Asp Leu Pro Gln Leu Ile Gly Asn His Trp Gln Ser Arg Arg Arg
 65 70 75 80

Asn Thr Gln Arg Lys Asp Lys Lys Gln Gln Thr Thr Val Thr Ser
 85 90 95

100

<210> 110
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3475168

<400> 110
Met Ser Pro Ser Pro Arg Trp Gly Phe Leu Cys Val Leu Phe Thr Ala
1 5 10 15

Val His Pro Ala Pro Ser Thr Ala Pro Val Gln Asp Lys Cys Pro Val
20 25 30

Asn Thr Trp Glu Ala Met Gln Ala Ser Ser Gln Gln Leu Leu Gln Thr
35 40 45

Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu Pro Pro Leu Leu
50 55 60

Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu Val Phe Gln Lys Ser
65 70 75 80

Pro Leu His Thr Gln Pro Glu Gly Ala Ile Lys Thr Ala Gly Gln Pro
85 90 95

Thr Ser Val His Ser Lys Val Leu Ser Lys Gly Ser Leu Leu Leu Gly
100 105 110

Glu

<210> 111
<211> 234
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3836893

<400> 111
Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
1 5 10 15

Glu Leu Arg Ala Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys
20 25 30

Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe
 35 40 45

Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
 50 55 60

Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
 65 70 75 80

Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu
 85 90 95

Arg Val Arg Met Val Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln
 100 105 110

Cys Val Ile Tyr Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg
 115 120 125

Ile Arg Leu Val Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn
 130 135 140

Glu Asn Ser Thr Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys
 145 150 155 160

Ala Leu Cys Pro Leu Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro
 165 170 175

Pro Lys Ser Thr Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu
 180 185 190

Thr Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile
 195 200 205

Leu Leu Ala Gly Gly Phe Leu Ser Lys Ser Leu Val Phe Ser Val Leu
 210 215 220

Phe Ala Val Thr Leu Arg Ser Phe Val Pro
 225 230

<210> 112

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 4072159

<400> 112

Met Val Leu Pro Leu Pro Trp Leu Ser Arg Tyr His Phe Leu Arg Leu
 1 5 10 15

Leu Leu Pro Ser Trp Ser Leu Ala Pro Gln Gly Ser His Gly Cys Cys
 20 25 30

Ser Gln Asn Pro Lys Ala Ser Met Glu Glu Gln Thr Asn Ser Arg Gly
 35 40 45

Asn Gly Lys Met Thr Ser Pro Pro Arg Gly Pro Gly Thr His Arg Thr
 50 55 60

Ala Glu Leu Ala Arg Ala Glu Glu Leu Leu Glu Gln Gln Leu Glu Leu
 65 70 75 80

Tyr Gln Ala Leu Leu Glu Gly Gln Glu Gly Ala Trp Glu Ala Gln Ala
 85 90 95

Leu Val Leu Lys Ile Gln Lys Leu Lys Glu Gln Met Arg Arg His Gln
 100 105 110

Glu Ser Leu Gly Gly Gly Ala
 115

<210> 113

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1003916

<400> 113

Met Ala Ser Ser Leu Thr Cys Thr Gly Val Ile Trp Ala Leu Leu Ser
 1 5 10 15

Phe Leu Cys Ala Ala Thr Ser Cys Val Gly Phe Phe Met Pro Tyr Trp
 20 25 30

Leu Trp Gly Ser Gln Leu Gly Lys Pro Val Ser Phe Gly Thr Phe Arg
 35 40 45

Arg Cys Ser Tyr Pro Val His Asp Glu Ser Arg Gln Met Met Val Met
 50 55 60

Val Glu Glu Cys Gly Arg Tyr Ala Ser Phe Gln Gly Ile Pro Ser Ala
 65 70 75 80

Glu Trp Arg Ile Cys Thr Ile Val Thr Gly Leu Gly Cys Gly Leu Leu
 85 90 95

Leu Leu Val Ala Leu Thr Ala Leu Met Gly Cys Cys Val Ser Asp Leu
 100 105 110

Ile Ser Arg Thr Val Gly Arg Val Ala Gly Gly Ile Gln Phe Leu Gly
 115 120 125

Gly Leu Leu Ile Gly Ala Gly Cys Ala Leu Tyr Pro Leu Gly Trp Asp
 130 135 140

Ser Glu Glu Val Arg Gln Thr Cys Gly Tyr Thr Ser Gly Gln Phe Asp
 145 150 155 160

Leu Gly Lys Cys Glu Ile Gly Trp Ala Tyr Tyr Cys Thr Gly Ala Gly
 165 170 175

Ala Thr Ala Ala Met Leu Leu Cys Thr Trp Leu Ala Cys Phe Ser Gly
 180 185 190

Lys Lys Gln Lys His Tyr Pro Tyr
 195 200

<210> 114

<211> 225

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2093492

<400> 114

Met Gly Phe Arg Leu Glu Gly Ile Phe Pro Ala Ala Leu Leu Pro Leu
 1 5 10 15

Leu Leu Thr Met Ile Leu Phe Leu Gly Pro Leu Met Gln Leu Ser Met
 20 25 30

Asp Cys Pro Cys Asp Leu Ala Asp Gly Leu Lys Val Val Leu Ala Pro
 35 40 45
 Arg Ser Trp Ala Arg Cys Leu Thr Asp Met Arg Trp Leu Arg Asn Gln
 50 55 60
 Val Ile Ala Pro Leu Thr Glu Glu Leu Val Phe Arg Ala Cys Met Leu
 65 70 75 80
 Pro Met Leu Ala Pro Cys Met Gly Leu Gly Pro Ala Val Phe Thr Cys
 85 90 95
 Pro Leu Phe Phe Gly Val Ala His Phe His His Ile Ile Glu Gln Leu
 100 105 110
 Arg Phe Arg Gln Ser Ser Val Gly Asn Ile Phe Leu Ser Ala Ala Phe
 115 120 125
 Gln Phe Ser Tyr Thr Ala Val Phe Gly Ala Tyr Thr Ala Phe Leu Phe
 130 135 140
 Ile Arg Thr Gly His Leu Ile Gly Pro Val Leu Cys His Ser Phe Cys
 145 150 155 160
 Asn Tyr Met Gly Phe Pro Ala Val Cys Ala Ala Leu Glu His Pro Gln
 165 170 175
 Arg Arg Pro Leu Leu Ala Gly Tyr Ala Leu Gly Val Gly Leu Phe Leu
 180 185 190
 Leu Leu Leu Gln Pro Leu Thr Asp Pro Lys Leu Tyr Gly Ser Leu Pro
 195 200 205
 Leu Cys Val Leu Leu Glu Arg Ala Gly Asp Ser Glu Ala Pro Leu Cys
 210 215 220
 Ser
 225

<210> 115
 <211> 155
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2108789

<400> 115

Met Ser Gly Leu Leu Ile Pro Pro Leu Pro Gly Trp Val Leu Gly Pro
 1 5 10 15

Leu Met Trp Ala Cys Arg Pro Pro Gln Asp Glu Pro Ser Gly Thr Asp
 20 25 30

Pro Pro Pro Pro Arg Leu Gln Pro His His Val Ser Gly Leu Gly Leu
 35 40 45

Gly Gln Ala Trp Ala Gln Ser Trp Ala Pro Arg Gly Ser Pro Pro Leu
 50 55 60

Thr Trp Leu Leu Pro Thr Leu Pro Leu Lys Asp Gly Pro Ala Ala Arg
 65 70 75 80

Leu Pro Pro Pro Pro His Thr Thr Leu Gly Gly Leu Ser His Pro Pro
 85 90 95

Gln Pro Arg Ser Ala Gln Thr Asp Pro His Ser Ile Pro Arg Pro Ala
 100 105 110

Ala Gln Val Arg Gly Pro Val Leu Pro Gly Ala Trp Ala Thr Pro Tyr
 115 120 125

Ala Ile Ser Ser Glu Gln Pro Gly Pro Thr Asp Pro His Ala Leu Ser
 130 135 140

Tyr Val Pro Phe Ser Pro Asp Phe Phe Cys Thr
 145 150 155

<210> 116

<211> 468

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2171401

<400> 116

Met Gly Arg Gly Trp Gly Phe Leu Phe Gly Leu Leu Gly Ala Val Trp
 1 5 10 15

Leu Leu Ser Ser Gly His Gly Glu Glu Gln Pro Pro Glu Thr Ala Ala
 20 25 30

Gln Arg Cys Phe Cys Gln Val Ser Gly Tyr Leu Asp Asp Cys Thr Cys
 35 40 45

Asp Val Glu Thr Ile Asp Arg Phe Asn Asn Tyr Arg Leu Phe Pro Arg
 50 55 60

Leu Gln Lys Leu Leu Glu Ser Asp Tyr Phe Arg Tyr Tyr Lys Val Asn
 65 70 75 80

Leu Lys Arg Pro Cys Pro Phe Trp Asn Asp Ile Ser Gln Cys Gly Arg
 85 90 95

Arg Asp Cys Ala Val Lys Pro Cys Gln Ser Asp Glu Val Pro Asp Gly
 100 105 110

Ile Lys Ser Ala Ser Tyr Lys Tyr Ser Glu Glu Ala Asn Asn Leu Ile
 115 120 125

Glu Glu Cys Glu Gln Ala Glu Arg Leu Gly Ala Val Asp Glu Ser Leu
 130 135 140

Ser Glu Glu Thr Gln Lys Ala Val Leu Gln Trp Thr Lys His Asp Asp
 145 150 155 160

Ser Ser Asp Asn Phe Cys Glu Ala Asp Asp Ile Gln Ser Pro Glu Ala
 165 170 175

Glu Tyr Val Asp Leu Leu Leu Asn Pro Glu Arg Tyr Thr Gly Tyr Lys
 180 185 190

Gly Pro Asp Ala Trp Lys Ile Trp Asn Val Ile Tyr Glu Glu Asn Cys
 195 200 205

Phe Lys Pro Gln Thr Ile Lys Arg Pro Leu Asn Pro Leu Ala Ser Gly
 210 215 220

Gln Gly Thr Ser Glu Glu Asn Thr Phe Tyr Ser Trp Leu Glu Gly Leu
 225 230 235 240

Cys Val Glu Lys Arg Ala Phe Tyr Arg Leu Ile Ser Gly Leu His Ala
 245 250 255

Ser Ile Asn Val His Leu Ser Ala Arg Tyr Leu Leu Gln Glu Thr Trp
 260 265 270

Leu Glu Lys Lys Trp Gly His Asn Ile Thr Glu Phe Gln Gln Arg Phe
 275 280 285

Asp Gly Ile Leu Thr Glu Gly Glu Gly Pro Arg Arg Leu Lys Asn Leu
 290 295 300

Tyr Phe Leu Tyr Leu Ile Glu Leu Arg Ala Leu Ser Lys Val Leu Pro
 305 310 315 320

Phe Phe Glu Arg Pro Asp Phe Gln Leu Phe Thr Gly Asn Lys Ile Gln
 325 330 335

Asp Glu Glu Asn Lys Met Leu Leu Leu Glu Ile Leu His Glu Ile Lys
 340 345 350

Ser Phe Pro Leu His Phe Asp Glu Asn Ser Phe Phe Ala Gly Asp Lys
 355 360 365

Lys Glu Ala His Lys Leu Lys Glu Asp Phe Arg Leu His Phe Arg Asn
 370 375 380

Ile Ser Arg Ile Met Asp Cys Val Gly Cys Phe Lys Cys Arg Leu Trp
 385 390 395 400

Gly Lys Leu Gln Thr Gln Gly Leu Gly Thr Ala Leu Lys Ile Leu Phe
 405 410 415

Ser Glu Lys Leu Ile Ala Asn Met Pro Glu Ser Gly Pro Ser Tyr Glu
 420 425 430

Phe His Leu Thr Arg Gln Glu Ile Val Ser Leu Phe Asn Ala Phe Gly
 435 440 445

Arg Ile Ser Thr Ser Val Lys Glu Leu Glu Asn Phe Arg Asn Leu Leu
 450 455 460

Gln Asn Ile His
 465

<210> 117
 <211> 403
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2212530

<400> 117
 Met Ser Thr Ser Thr Ser Pro Ala Ala Met Leu Leu Arg Arg Leu Arg
 1 5 10 15
 Arg Leu Ser Trp Gly Ser Thr Ala Val Gln Leu Phe Ile Leu Thr Val
 20 25 30
 Val Thr Phe Gly Leu Leu Ala Pro Leu Ala Cys His Arg Leu Leu His
 35 40 45
 Ser Tyr Phe Tyr Leu Arg His Trp His Leu Asn Gln Met Ser Gln Glu
 50 55 60
 Phe Leu Gln Gln Ser Leu Lys Glu Gly Glu Ala Ala Leu His Tyr Phe
 65 70 75 80
 Glu Glu Leu Pro Ser Ala Asn Gly Ser Val Pro Ile Val Trp Gln Ala
 85 90 95
 Thr Pro Arg Pro Trp Leu Val Ile Thr Ile Ile Thr Val Asp Arg Gln
 100 105 110
 Pro Gly Phe His Tyr Val Leu Gln Val Val Ser Gln Phe His Arg Leu
 115 120 125
 Leu Gln Gln Cys Gly Pro Gln Cys Glu Gly His Gln Leu Phe Leu Cys
 130 135 140
 Asn Val Glu Arg Ser Val Ser His Phe Asp Ala Lys Leu Leu Ser Lys
 145 150 155 160
 Tyr Val Pro Val Ala Asn Arg Tyr Glu Gly Thr Glu Asp Asp Tyr Gly
 165 170 175
 Asp Asp Pro Ser Thr Asn Ser Phe Glu Lys Glu Lys Gln Asp Tyr Val
 180 185 190

Tyr Cys Leu Glu Ser Ser Leu Gln Thr Tyr Asn Pro Asp Tyr Val Leu
 195 200 205

Met Val Glu Asp Asp Ala Val Pro Glu Glu Gln Ile Phe Pro Val Leu
 210 215 220

Glu His Leu Leu Arg Ala Arg Phe Ser Glu Pro His Leu Arg Asp Ala
 225 230 235 240

Leu Tyr Leu Lys Leu Tyr His Pro Glu Arg Leu Gln His Tyr Ile Asn
 245 250 255

Pro Glu Pro Met Arg Ile Leu Glu Trp Val Gly Val Gly Met Leu Leu
 260 265 270

Gly Pro Leu Leu Thr Trp Ile Tyr Met Arg Phe Ala Ser Arg Pro Gly
 275 280 285

Phe Ser Trp Pro Val Met Leu Phe Phe Ser Leu Tyr Ser Met Gly Leu
 290 295 300

Val Glu Leu Val Gly Arg His Tyr Phe Leu Glu Leu Arg Arg Leu Ser
 305 310 315 320

Pro Ser Leu Tyr Ser Val Val Pro Ala Ser Gln Cys Cys Thr Pro Ala
 325 330 335

Met Leu Phe Pro Ala Pro Ala Ala Arg Arg Thr Leu Thr Tyr Leu Ser
 340 345 350

Gln Val Tyr Cys His Lys Gly Phe Gly Lys Asp Met Ala Leu Tyr Ser
 355 360 365

Leu Leu Arg Ala Lys Gly Glu Arg Ala Tyr Val Val Glu Pro Asn Leu
 370 375 380

Val Lys His Ile Gly Leu Phe Ser Ser Leu Arg Tyr Asn Phe His Pro
 385 390 395 400

Ser Leu Leu

110

<210> 118
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2253036

<400> 118
Met Glu Arg Cys Phe His Cys Phe Pro Val His Leu Val Phe Asn Leu
1 5 10 15

Val Gln Ser Phe Ser Pro Ile Ser Gly Val Glu Ser Cys Leu Leu Pro
20 25 30

Gln Cys Asp Lys Cys Trp Pro Met Val Tyr Arg Ser Cys Asp Ala Ser
35 40 45

Arg Gly Leu Val Asn Ala Cys Ile Leu Gly Phe Val Leu Leu Glu Cys
50 55 60

Ser Phe Val Gly Ala Leu Asn Asn Tyr Val Arg Ser Leu Ala Thr Leu
65 70 75 80

Leu Glu Arg Thr His Gly Gly Lys Arg Leu Lys Leu Cys Glu Glu Ser
85 90 95

Gln Ala Ser His Pro Ser Phe Ser Ala Glu Pro Arg His Gln Pro Thr
100 105 110

Cys Gln Leu Asn Ala Thr Val Arg Val Ile Thr Ser Lys Ile Thr Arg
115 120 125

Lys Thr Thr
130

<210> 119
<211> 556
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2280161

<400> 119
Met Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu Leu
1 5 10 15

Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly Pro Ala
 20 25 30

Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro Ile Pro Ser
 35 40 45

Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe Arg Asn Thr Thr
 50 55 60

Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp Leu Ser Leu Asn Ile
 65 70 75 80

Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr Asn Glu Ile Tyr Asn Phe
 85 90 95

Lys Ala Glu Glu Val Glu Leu Tyr Leu Glu Lys Leu Lys Glu Lys Arg
 100 105 110

Gly Leu Ser Gly Lys Tyr Gln Thr Ser Ser Lys Leu Phe Gln Asn Cys
 115 120 125

Ser Glu Leu Phe Lys Thr Gln Thr Phe Ser Gly Asp Phe Met His Arg
 130 135 140

Leu Pro Leu Leu Gly Glu Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn
 145 150 155 160

Leu Thr Phe Ile Gly Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr
 165 170 175

Trp Gln Asp Ala Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser
 180 185 190

Ser Lys Glu Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met
 195 200 205

Thr Val Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr
 210 215 220

Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
 225 230 235 240

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Val | Leu | Trp | Leu | Ala | Trp | Ser | Ala | Cys | Tyr | Trp | Arg | Asp | Leu | Leu |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Arg | Ile | Gln | Phe | Trp | Ile | Gly | Ala | Val | Ile | Phe | Leu | Gly | Met | Leu | Glu |
| | | | 260 | | | | | 265 | | | | | 270 | | |
| Lys | Ala | Val | Phe | Tyr | Ala | Glu | Phe | Gln | Asn | Ile | Arg | Tyr | Lys | Gly | Glu |
| | | 275 | | | | | 280 | | | | | 285 | | | |
| Ser | Val | Gln | Gly | Ala | Leu | Ile | Leu | Ala | Glu | Leu | Leu | Ser | Ala | Val | Lys |
| | 290 | | | | | 295 | | | | | 300 | | | | |
| Arg | Ser | Leu | Ala | Arg | Thr | Leu | Val | Ile | Ile | Val | Ser | Leu | Gly | Tyr | Gly |
| 305 | | | | | 310 | | | | | 315 | | | | | 320 |
| Ile | Val | Lys | Pro | Arg | Leu | Gly | Val | Thr | Leu | His | Lys | Val | Val | Val | Ala |
| | | | | 325 | | | | | 330 | | | | | 335 | |
| Gly | Ala | Leu | Tyr | Leu | Leu | Phe | Ser | Gly | Met | Glu | Gly | Val | Leu | Arg | Val |
| | | | 340 | | | | | 345 | | | | | 350 | | |
| Thr | Gly | Tyr | Phe | Ser | Tyr | Pro | Leu | Thr | Leu | Ile | Val | Asn | Leu | Ala | Leu |
| | | 355 | | | | | 360 | | | | | 365 | | | |
| Ser | Ala | Val | Asp | Ala | Cys | Val | Ile | Leu | Trp | Ile | Phe | Ile | Ser | Leu | Thr |
| | 370 | | | | | 375 | | | | | 380 | | | | |
| Gln | Thr | Met | Lys | Leu | Leu | Lys | Leu | Arg | Arg | Asn | Ile | Val | Lys | Leu | Ser |
| 385 | | | | | 390 | | | | | 395 | | | | | 400 |
| Leu | Tyr | Arg | His | Phe | Thr | Asn | Thr | Leu | Ile | Leu | Ala | Val | Ala | Ala | Ser |
| | | | | 405 | | | | | 410 | | | | | 415 | |
| Ile | Val | Phe | Ile | Ile | Trp | Thr | Thr | Met | Lys | Phe | Arg | Ile | Val | Thr | Cys |
| | | | 420 | | | | | 425 | | | | | 430 | | |
| Gln | Ser | Asp | Trp | Arg | Glu | Leu | Trp | Val | Asp | Asp | Ala | Ile | Trp | Arg | Leu |
| | | 435 | | | | | 440 | | | | | 445 | | | |
| Leu | Phe | Ser | Met | Ile | Leu | Phe | Val | Ile | Met | Val | Leu | Trp | Arg | Pro | Ser |
| | 450 | | | | | 455 | | | | | 460 | | | | |
| Ala | Asn | Asn | Gln | Arg | Phe | Ala | Phe | Ser | Pro | Leu | Ser | Glu | Glu | Glu | Glu |
| 465 | | | | | 470 | | | | | 475 | | | | | 480 |

Glu Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met
485 490 495

Lys Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn
500 505 510

Lys Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser
515 520 525

Ser Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu
530 535 540

Arg Met Ile Thr His Phe Glu Arg Ser Lys Met Glu
545 550 555

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<210> 120
<211> 514
<212> PRT
<213> Homo sapiens
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<220>
<221> misc_feature
<223> Incyte Clone No: 2287485
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<400> 120
Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
1          5          10          15
```

Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
20 25 30

Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
35 40 45

Glu Ser Gln Cys His His Met Leu Lys His Leu His Asn Gly Ala Arg
50 55 60

Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly His Trp Val Ser Thr
65 70 75 80

Gly Cys Glu Val Arg Ser Gly Pro Glu Phe Ile Thr Arg Ser Tyr Arg
85 90 95

Phe Tyr His Asn Asn Thr Phe Lys Ala Tyr Gln Phe Tyr Tyr Gly Ser
100 105 110

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asn | Arg | Cys | Thr | Asn | Pro | Thr | Tyr | Thr | Leu | Ile | Ile | Arg | Gly | Lys | Ile |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| | | | | | | | | | | | | | | | |
| Arg | Leu | Arg | Gln | Ala | Ser | Trp | Ile | Ile | Arg | Gly | Gly | Thr | Glu | Ala | Asp |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| | | | | | | | | | | | | | | | |
| Tyr | Gln | Leu | His | Asn | Val | Gln | Val | Ile | Cys | His | Thr | Glu | Ala | Val | Ala |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| | | | | | | | | | | | | | | | |
| Glu | Lys | Leu | Gly | Gln | Gln | Val | Asn | Arg | Thr | Cys | Pro | Gly | Phe | Leu | Ala |
| | | | | 165 | | | | | 170 | | | | | 175 | |
| | | | | | | | | | | | | | | | |
| Asp | Gly | Gly | Pro | Trp | Val | Gln | Asp | Val | Ala | Tyr | Asp | Leu | Trp | Arg | Glu |
| | | | 180 | | | | | 185 | | | | | 190 | | |
| | | | | | | | | | | | | | | | |
| Glu | Asn | Gly | Cys | Glu | Cys | Thr | Lys | Ala | Val | Asn | Phe | Ala | Met | His | Glu |
| | | 195 | | | | | 200 | | | | | 205 | | | |
| | | | | | | | | | | | | | | | |
| Leu | Gln | Leu | Ile | Arg | Val | Glu | Lys | Gln | Tyr | Leu | His | His | Asn | Leu | Asp |
| | 210 | | | | | 215 | | | | | 220 | | | | |
| | | | | | | | | | | | | | | | |
| His | Leu | Val | Glu | Glu | Leu | Phe | Leu | Gly | Asp | Ile | His | Thr | Asp | Ala | Thr |
| 225 | | | | | 230 | | | | | 235 | | | | | 240 |
| | | | | | | | | | | | | | | | |
| Gln | Arg | Met | Phe | Tyr | Arg | Pro | Ser | Ser | Tyr | Gln | Pro | Pro | Leu | Gln | Asn |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| | | | | | | | | | | | | | | | |
| Ala | Lys | Asn | His | Asp | His | Ala | Cys | Ile | Ala | Cys | Arg | Ile | Ile | Tyr | Arg |
| | | | 260 | | | | | 265 | | | | | 270 | | |
| | | | | | | | | | | | | | | | |
| Ser | Asp | Glu | His | His | Pro | Pro | Ile | Leu | Pro | Pro | Lys | Ala | Asp | Leu | Thr |
| | | 275 | | | | | 280 | | | | | 285 | | | |
| | | | | | | | | | | | | | | | |
| Ile | Gly | Leu | His | Gly | Glu | Trp | Val | Ser | Gln | Arg | Cys | Glu | Val | Arg | Pro |
| | 290 | | | | | 295 | | | | | 300 | | | | |
| | | | | | | | | | | | | | | | |
| Glu | Val | Leu | Phe | Leu | Thr | Arg | His | Phe | Ile | Phe | His | Asp | Asn | Asn | Asn |
| 305 | | | | | 310 | | | | | 315 | | | | | 320 |
| | | | | | | | | | | | | | | | |
| Thr | Trp | Glu | Gly | His | Tyr | Tyr | His | Tyr | Ser | Asp | Pro | Val | Cys | Lys | His |
| | | | | 325 | | | | | 330 | | | | | 335 | |

115

Pro Thr Phe Ser Ile Tyr Ala Arg Gly Arg Tyr Ser Arg Gly Val Leu
340 345 350

Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val Phe Lys Val Asn His
355 360 365

Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala Ser Leu Leu Asn Val
370 375 380

Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser Trp Gln Val Gly Ile
385 390 395 400

Gln Gln Asp Val Thr His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys
405 410 415

Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg
420 425 430

Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
435 440 445

Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr Gln Met Pro Leu Val
450 455 460

Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp Leu Ala Glu Asp Ser
465 470 475 480

Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg His Thr Trp Ser Leu
485 490 495

Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu Leu His Trp Asn Ile
500 505 510

Arg Arg

<210> 121

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2380344

<400> 121

Met Leu Trp Trp Leu Val Leu Leu Leu Leu Pro Thr Leu Lys Ser Val
 1 5 10 15

Phe Cys Ser Leu Val Thr Ser Leu Tyr Leu Pro Asn Thr Glu Asp Leu
 20 25 30

Ser Leu Trp Leu Trp Pro Lys Pro Asp Leu His Ser Gly Thr Arg Thr
 35 40 45

Glu Val Ser Thr His Thr Val Pro Ser Lys Pro Gly Thr Ala Ser Pro
 50 55 60

Cys Trp Pro Leu Ala Gly Ala Val Pro Ser Pro Thr Val Ser Arg Leu
 65 70 75 80

Glu Ala Leu Thr Arg Ala Val Gln Val Ala Glu Pro Leu Gly Ser Cys
 85 90 95

Gly Phe Gln Gly Gly Pro Cys Pro Gly Arg Arg Arg Asp
 100 105

<210> 122

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2383171

<400> 122

Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg Ala
 1 5 10 15

Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile Ser Gln
 20 25 30

Val Pro Arg Arg Leu Pro Arg Gly Leu His Cys Ser Ala Ala Ala His
 35 40 45

Ser Ser Glu Gln Ser Leu Val Pro Ser Pro Pro Glu Pro Arg Gln Arg
 50 55 60

Pro Thr Lys Ala Leu Val Pro Phe Glu Asp Leu Phe Gly Gln Ala Pro
 65 70 75 80

Gly Gly Glu Arg Asp Lys Ala Ser Phe Leu Gln Thr Val Gln Lys Phe
 85 90 95

Ala Glu His Ser Val Arg Lys Arg Gly His Ile Asp Phe Ile Tyr Leu
 100 105 110

Ala Leu Arg Lys Met Arg Glu Tyr Gly Val Glu Arg Asp Leu Ala Val
 115 120 125

Tyr Asn Gln Leu Leu Asn Ile Phe Pro Lys Glu Val Phe Arg Pro Arg
 130 135 140

Asn Ile Ile Gln Arg Ile Phe Val His Tyr Pro Arg Gln Gln Glu Cys
 145 150 155 160

Gly Ile Ala Val Leu Glu Gln Met Glu Asn His Gly Val Met Pro Asn
 165 170 175

Lys Glu Thr Glu Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr
 180 185 190

Pro Met Leu Lys Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met
 195 200 205

Asn Val Asn Pro Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val
 210 215 220

Glu Leu Ala Met Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala
 225 230 235 240

Arg Val Thr Ile Tyr Gln Val Pro Leu Pro Lys Asp Ser Thr Gly Ala
 245 250 255

Ala Asp Pro Pro Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln
 260 265 270

Gln Ala Ala Leu Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu
 275 280 285

Gly Pro Phe Ser Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile
 290 295 300

118

Leu Arg Ala Asp Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr
305 310 315 320

Pro Glu Glu Trp Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr
325 330 335

Val Arg Ser Gly Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu
340 345 350

Glu Gly Pro Val Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala
355 360 365

Thr Met Ala Lys Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu
370 375 380

Ala Gln Ile Pro Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu
385 390 395 400

Gln Thr Ser Ser Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His
405 410 415

Gln Glu Glu Asp Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
420 425 430

<210> 123

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2396046

<400> 123

Met Leu Leu Gly Val Arg Ala Val Pro Leu Cys Ser Ala Trp Gln Gly
1 5 10 15

Ala Val Gly Leu Val Ser Leu Ala Ile Ser Ile Cys Lys His Gly Leu
20 25 30

Ser Ser Gln Gln Asn Leu Val Pro Gly Lys Ser Asn Val Pro Lys Ala
35 40 45

Ser Asp Met Pro Arg Cys Pro Pro Val Phe Gln Ser Pro Asn Leu Thr
50 55 60

119

Pro Phe Pro His His Thr Lys His Thr Ser Gln Gly Ser His Leu Gly
65 70 75 80

Val Pro Pro Pro Ala Pro Met Pro Trp Cys Pro Gln Ala Gln Gly Phe
85 90 95

Gly Leu Ser Cys Gln Ser Leu Asp Ala Phe Glu Gly Gln Leu Gly Cys
100 105 110

Gly Trp Gly Val Gln Ala Ala Gly Glu Pro Arg Leu Arg Ile Ile His
115 120 125

Thr Leu Leu Phe Gly Ala Phe Val Glu Val Ser Arg Ile Pro
130 135 140

<210> 124

<211> 643

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2456587

<400> 124

Met Glu Cys Cys Arg Arg Ala Thr Pro Gly Thr Leu Leu Leu Phe Leu
1 5 10 15

Ala Phe Leu Leu Leu Ser Ser Arg Thr Ala Arg Ser Glu Glu Asp Arg
20 25 30

Asp Gly Leu Trp Asp Ala Trp Gly Pro Trp Ser Glu Cys Ser Arg Thr
35 40 45

Cys Gly Gly Gly Ala Ser Tyr Ser Leu Arg Arg Cys Leu Ser Ser Lys
50 55 60

Ser Cys Glu Gly Arg Asn Ile Arg Tyr Arg Thr Cys Ser Asn Val Asp
65 70 75 80

Cys Pro Pro Glu Ala Gly Asp Phe Arg Ala Gln Gln Cys Ser Ala His
85 90 95

Asn Asp Val Lys His His Gly Gln Phe Tyr Glu Trp Leu Pro Val Ser
100 105 110

120

Asn Asp Pro Asp Asn Pro Cys Ser Leu Lys Cys Gln Ala Lys Gly Thr
115 120 125

Thr Leu Val Val Glu Leu Ala Pro Lys Val Leu Asp Gly Thr Arg Cys
130 135 140

Tyr Thr Glu Ser Leu Asp Met Cys Ile Ser Gly Leu Cys Gln Ile Val
145 150 155 160

Gly Cys Asp His Gln Leu Gly Ser Thr Val Lys Glu Asp Asn Cys Gly
165 170 175

Val Cys Asn Gly Asp Gly Ser Thr Cys Arg Leu Val Arg Gly Gln Tyr
180 185 190

Lys Ser Gln Leu Ser Ala Thr Lys Ser Asp Asp Thr Val Val Ala Ile
195 200 205

Pro Tyr Gly Ser Arg His Ile Arg Leu Val Leu Lys Gly Pro Asp His
210 215 220

Leu Tyr Leu Glu Thr Lys Thr Leu Gln Gly Thr Lys Gly Glu Asn Ser
225 230 235 240

Leu Ser Ser Thr Gly Thr Phe Leu Val Asp Asn Ser Ser Val Asp Phe
245 250 255

Gln Lys Phe Pro Asp Lys Glu Ile Leu Arg Met Ala Gly Pro Leu Thr
260 265 270

Ala Asp Phe Ile Val Lys Ile Arg Asn Ser Gly Ser Ala Asp Ser Thr
275 280 285

Val Gln Phe Ile Phe Tyr Gln Pro Ile Ile His Arg Trp Arg Glu Thr
290 295 300

Asp Phe Phe Pro Cys Ser Ala Thr Cys Gly Gly Gly Tyr Gln Leu Thr
305 310 315 320

Ser Ala Glu Cys Tyr Asp Leu Arg Ser Asn Arg Val Val Ala Asp Gln
325 330 335

Tyr Cys His Tyr Tyr Pro Glu Asn Ile Lys Pro Lys Pro Lys Leu Gln
340 345 350

Glu Cys Asn Leu Asp Pro Cys Pro Ala Ser Asp Gly Tyr Lys Gln Ile
 355 360 365

Met Pro Tyr Asp Leu Tyr His Pro Leu Pro Arg Trp Glu Ala Thr Pro
 370 375 380

Trp Thr Ala Cys Ser Ser Ser Cys Gly Gly Gly Ile Gln Ser Arg Ala
 385 390 395 400

Val Ser Cys Val Glu Glu Asp Ile Gln Gly His Val Thr Ser Val Glu
 405 410 415

Glu Trp Lys Cys Met Tyr Thr Pro Lys Met Pro Ile Ala Gln Pro Cys
 420 425 430

Asn Ile Phe Asp Cys Pro Lys Trp Leu Ala Gln Glu Trp Ser Pro Cys
 435 440 445

Thr Val Thr Cys Gly Gln Gly Leu Arg Tyr Arg Val Val Leu Cys Ile
 450 455 460

Asp His Arg Gly Met His Thr Gly Gly Cys Ser Pro Lys Thr Lys Pro
 465 470 475 480

His Ile Lys Glu Glu Cys Ile Val Pro Thr Pro Cys Tyr Lys Pro Lys
 485 490 495

Glu Lys Leu Pro Val Glu Ala Lys Leu Pro Trp Phe Lys Gln Ala Gln
 500 505 510

Glu Leu Glu Glu Gly Ala Ala Val Ser Glu Glu Pro Ser Phe Ile Pro
 515 520 525

Glu Ala Trp Ser Ala Cys Thr Val Thr Cys Gly Val Gly Thr Gln Val
 530 535 540

Arg Ile Val Arg Cys Gln Val Leu Leu Ser Phe Ser Gln Ser Val Ala
 545 550 555 560

Asp Leu Pro Ile Asp Glu Cys Glu Gly Pro Lys Pro Ala Ser Gln Arg
 565 570 575

122

Ala Cys Tyr Ala Gly Pro Cys Ser Gly Glu Ile Pro Glu Phe Asn Pro
580 585 590

Asp Glu Thr Asp Gly Leu Phe Gly Gly Leu Gln Asp Phe Asp Glu Leu
595 600 605

Tyr Asp Trp Glu Tyr Glu Gly Phe Thr Lys Cys Ser Glu Ser Cys Gly
610 615 620

Gly Gly Val Gln Glu Ala Val Val Ser Cys Leu Asn Lys Gln Thr Arg
625 630 635 640

Glu Pro Cys

<210> 125

<211> 568

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2484813

<400> 125

Met Val Leu Leu His Trp Cys Leu Leu Trp Leu Leu Phe Pro Leu Ser
1 5 10 15

Ser Arg Thr Gln Lys Leu Pro Thr Arg Asp Glu Glu Leu Phe Gln Met
20 25 30

Gln Ile Arg Asp Lys Ala Phe Phe His Asp Ser Ser Val Ile Pro Asp
35 40 45

Gly Ala Glu Ile Ser Ser Tyr Leu Phe Arg Asp Thr Pro Lys Arg Tyr
50 55 60

Phe Phe Val Val Glu Glu Asp Asn Thr Pro Leu Ser Val Thr Val Thr
65 70 75 80

Pro Cys Asp Ala Pro Leu Glu Trp Lys Leu Ser Leu Gln Glu Leu Pro
85 90 95

Glu Asp Arg Ser Gly Glu Gly Ser Gly Asp Leu Glu Pro Leu Glu Gln
100 105 110

123

Gln Lys Gln Gln Ile Ile Asn Glu Glu Gly Thr Glu Leu Phe Ser Tyr
115 120 125

Lys Gly Asn Asp Val Glu Tyr Phe Ile Ser Ser Ser Ser Pro Ser Gly
130 135 140

Leu Tyr Gln Leu Asp Leu Leu Ser Thr Glu Lys Asp Thr His Phe Lys
145 150 155 160

Val Tyr Ala Thr Thr Thr Pro Glu Ser Asp Gln Pro Tyr Pro Glu Leu
165 170 175

Pro Tyr Asp Pro Arg Val Asp Val Thr Ser Leu Gly Arg Thr Thr Val
180 185 190

Thr Leu Ala Trp Lys Pro Ser Pro Thr Ala Ser Leu Leu Lys Gln Pro
195 200 205

Ile Gln Tyr Cys Val Val Ile Asn Lys Glu His Asn Phe Lys Ser Leu
210 215 220

Cys Ala Val Glu Ala Lys Leu Ser Ala Asp Asp Ala Phe Met Met Ala
225 230 235 240

Pro Lys Pro Gly Leu Asp Phe Ser Pro Phe Asp Phe Ala His Phe Gly
245 250 255

Phe Pro Ser Asp Asn Ser Gly Lys Glu Arg Ser Phe Gln Ala Lys Pro
260 265 270

Ser Pro Lys Leu Gly Arg His Val Tyr Ser Arg Pro Lys Val Asp Ile
275 280 285

Gln Lys Ile Cys Ile Gly Asn Lys Asn Ile Phe Thr Val Ser Asp Leu
290 295 300

Lys Pro Asp Thr Gln Tyr Tyr Phe Asp Val Phe Val Val Asn Ile Asn
305 310 315 320

Ser Asn Met Ser Thr Ala Tyr Val Gly Thr Phe Ala Arg Thr Lys Glu
325 330 335

Glu Ala Lys Gln Lys Thr Val Glu Leu Lys Asp Gly Lys Ile Thr Asp
340 345 350

Val Phe Val Lys Arg Lys Gly Ala Lys Phe Leu Arg Phe Ala Pro Val
 355 360 365

Ser Ser His Gln Lys Val Thr Phe Phe Ile His Ser Cys Leu Asp Ala
 370 375 380

Val Gln Ile Gln Val Arg Arg Asp Gly Lys Leu Leu Leu Ser Gln Asn
 385 390 395 400

Val Glu Gly Ile Gln Gln Phe Gln Leu Arg Gly Lys Pro Lys Ala Lys
 405 410 415

Tyr Leu Val Arg Leu Lys Gly Asn Lys Lys Gly Ala Ser Met Leu Lys
 420 425 430

Ile Leu Ala Thr Thr Arg Pro Thr Lys Gln Ser Phe Pro Ser Leu Pro
 435 440 445

Glu Asp Thr Arg Ile Lys Ala Phe Asp Lys Leu Arg Thr Cys Ser Ser
 450 455 460

Ala Thr Val Ala Trp Leu Gly Thr Gln Glu Arg Asn Lys Phe Cys Ile
 465 470 475 480

Tyr Lys Lys Glu Val Asp Asp Asn Tyr Asn Glu Asp Gln Lys Lys Arg
 485 490 495

Glu Gln Asn Gln Cys Leu Gly Pro Asp Ile Arg Lys Lys Ser Glu Lys
 500 505 510

Val Leu Cys Lys Tyr Phe His Ser Gln Asn Leu Gln Lys Ala Val Thr
 515 520 525

Thr Glu Thr Ile Lys Gly Leu Gln Pro Gly Lys Ser Tyr Leu Leu Asp
 530 535 540

Val Tyr Val Ile Gly His Gly Gly His Ser Val Lys Tyr Gln Ser Lys
 545 550 555 560

Val Val Lys Thr Arg Lys Phe Cys
 565

125

<210> 126
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2493851

<400> 126
Met Trp Leu Val Gly Pro Ser Phe Leu Ser Cys Pro Leu Gly Lys Val
1 5 10 15

Pro Pro Ala Gly Leu Leu Leu Ala Gly Ser Ser Gly Arg Gly Ala Arg
20 25 30

Arg Pro Ala Thr Pro Arg His Trp Ser Ser Thr Thr Pro Gly Leu Arg
35 40 45

Leu Glu Ala Pro Leu Cys Gln Leu Cys Pro Leu Gly Gly Thr Arg Gln
50 55 60

Asp Cys Gln Pro Leu Ser Trp Gln Val Thr Ser Ala Phe Lys Leu Thr
65 70 75 80

Val Pro Ser Pro Phe His Ala Pro Pro Arg Ser Trp Ser Cys Leu Leu
85 90 95

Leu Gly Ile Phe Pro Gly Gln Ala Leu Ala Leu Glu Pro Trp His Leu
100 105 110

Phe Leu Gly Ser Met Leu Pro Arg Cys Asp Gly Glu Cys
115 120 125

<210> 127
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2495719

<400> 127
Met Ala Ala Leu Lys Ala Leu Val Ser Gly Cys Gly Arg Leu Leu Arg
1 5 10 15

Gly Leu Leu Ala Gly Pro Ala Ala Thr Ser Trp Ser Arg Leu Pro Ala
20 25 30

Arg Gly Phe Arg Glu Val Val Glu Thr Gln Glu Gly Lys Thr Thr Ile
 35 40 45

Ile Glu Gly Arg Ile Thr Ala Thr Pro Lys Glu Ser Pro Asn Pro Pro
 50 55 60

Asn Pro Ser Gly Gln Cys Pro Ile Cys Arg Trp Asn Leu Lys His Lys
 65 70 75 80

Tyr Asn Tyr Asp Asp Val Leu Leu Leu Ser Gln Phe Ile Arg Pro His
 85 90 95

Gly Gly Met Leu Pro Arg Lys Ile Thr Gly Leu Cys Gln Glu Glu His
 100 105 110

Arg Lys Ile Glu Glu Cys Val Lys Met Ala His Arg Ala Gly Leu Leu
 115 120 125

Pro Asn His Arg Pro Arg Leu Pro Glu Gly Val Val Pro Lys Ser Lys
 130 135 140

Pro Gln Leu Asn Arg Tyr Leu Thr Arg Trp Ala Pro Gly Ser Val Lys
 145 150 155 160

Pro Ile Tyr Lys Lys Gly Pro Arg Trp Asn Arg Val Arg Met Pro Val
 165 170 175

Gly Ser Pro Leu Leu Arg Asp Asn Val Cys Tyr Ser Arg Thr Pro Trp
 180 185 190

Lys Leu Tyr His
 195

<210> 128

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2614153

<400> 128

Met Val Leu Gly Gly Cys Pro Val Ser Tyr Leu Leu Leu Cys Gly Gln
 1 5 10 15

Ala Ala Leu Leu Leu Gly Asn Leu Leu Leu Leu His Cys Val Ser Arg
 20 25 30

Ser His Ser Gln Asn Ala Thr Ala Glu Pro Glu Leu Thr Ser Ala Gly
 35 40 45

Ala Ala Gln Pro Glu Gly Pro Gly Gly Ala Ala Ser Trp Glu Tyr Gly
 50 55 60

Asp Pro His Ser Pro Val Ile Leu Cys Ser Tyr Leu Pro Asp Glu Phe
 65 70 75 80

Ile Glu Cys Glu Asp Pro Val Asp His Val Gly Asn Ala Thr Ala Ser
 85 90 95

Gln Glu Leu Gly Tyr Gly Cys Leu Lys Phe Gly Gly Gln Ala Tyr Ser
 100 105 110

Asp Val Glu His Thr Ser Val Gln Cys His Ala Leu Asp Gly Ile Glu
 115 120 125

Cys Ala Ser Pro Arg Thr Phe Leu Arg Glu Asn Lys Pro Cys Ile Lys
 130 135 140

Tyr Thr Gly His Tyr Phe Ile Thr Thr Leu Leu Tyr Ser Phe Phe Leu
 145 150 155 160

Gly Cys Phe Gly Val Asp Arg Phe Cys Leu Gly His Thr Gly Thr Ala
 165 170 175

Val Gly Lys Leu Leu Thr Leu Gly Gly Leu Gly Ile Trp Trp Phe Val
 180 185 190

Asp Leu Ile Leu Leu Ile Thr Gly Gly Leu Met Pro Ser Asp Gly Ser
 195 200 205

Asn Trp Cys Thr Val Tyr
 210

<210> 129

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2655184

<400> 129

Met Ala Cys Phe Ser Phe Phe Leu Cys Phe Leu Val His Leu Leu Ile
 1 5 10 15

Lys Met Asn Pro Val Thr Glu Ser Pro Ser Cys Leu Phe Ser Pro Pro
 20 25 30

Ser Glu Ser Ala Leu Ala Ser Gln Leu Ala Leu Ser Ala Ser Cys Asp
 35 40 45

Gln Arg Ala Pro Phe Ser Leu Ala Gly Val Val Ser His Asp Pro Gly
 50 55 60

Trp Pro Val Val Arg Leu His Arg Pro Leu Val Pro Glu His Ala Val
 65 70 75 80

Phe Ser Gln Pro Ser Leu Gln Pro
 85

<210> 130

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2848362

<400> 130

Met Pro Asp Pro Leu Phe Ser Ala Val Gln Gly Lys Asp Glu Ile Leu
 1 5 10 15

His Lys Ala Leu Cys Phe Cys Pro Trp Leu Gly Lys Gly Gly Met Glu
 20 25 30

Pro Leu Arg Leu Leu Ile Leu Leu Phe Val Thr Glu Leu Ser Gly Ala
 35 40 45

His Asn Thr Thr Val Phe Gln Gly Val Ala Gly Gln Ser Leu Gln Val
 50 55 60

Ser Cys Pro Tyr Asp Ser Met Lys His Trp Gly Arg Arg Lys Ala Trp
 65 70 75 80

Cys Arg Gln Leu Gly Glu Lys Gly Pro Cys Gln Arg Val Val Ser Thr
 85 90 95

His Asn Leu Trp Leu Leu Ser Phe Leu Arg Arg Trp Asn Gly Ser Thr
 100 105 110

Ala Ile Thr Asp Asp Thr Leu Gly Gly Thr Leu Thr Ile Thr Leu Arg
 115 120 125

Asn Leu Gln Pro His Asp Ala Gly Leu Tyr Gln Cys Gln Ser Leu His
 130 135 140

Gly Ser Glu Ala Asp Thr Leu Arg Lys Val Leu Val Glu Val Leu Ala
 145 150 155 160

Asp Pro Leu Asp His Arg Asp Ala Gly Asp Leu Trp Phe Pro Gly Glu
 165 170 175

Ser Glu Ser Phe Glu Asp Ala His Val Glu His Ser Ile Ser Arg Ser
 180 185 190

Leu Leu Glu Gly Glu Ile Pro Phe Pro Pro Thr Ser Ile Leu Leu Leu
 195 200 205

Leu Ala Cys Ile Phe Leu Ile Lys Ile Leu Ala Ala Ser Ala Leu Trp
 210 215 220

Ala Ala Ala Trp His Gly Gln Lys Pro Gly Thr His Pro Pro Ser Glu
 225 230 235 240

Leu Asp Cys Gly His Asp Pro Gly Tyr Gln Leu Gln Thr Leu Pro Gly
 245 250 255

Leu Arg Asp Thr
 260

<210> 131

<211> 295

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 131

Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
 1 5 10 15

Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
 20 25 30

Arg Pro Glu Asp Ala Val Ala Pro Arg Lys Arg Ala Arg Arg Gln Arg
 35 40 45

Ala Arg Leu Gln Gly Ser Ala Thr Ala Ala Glu Ala Ser Leu Leu Arg
 50 55 60

Arg Thr His Leu Cys Ser Leu Ser Lys Ser Asp Thr Arg Leu His Glu
 65 70 75 80

Leu His Arg Gly Pro Arg Ser Ser Arg Ala Leu Arg Pro Ala Ser Met
 85 90 95

Asp Leu Leu Arg Pro His Trp Leu Glu Val Ser Arg Asp Ile Thr Gly
 100 105 110

Pro Gln Ala Ala Pro Ser Ala Phe Pro His Gln Glu Leu Pro Arg Ala
 115 120 125

Leu Pro Ala Ala Ala Ala Thr Ala Gly Cys Ala Gly Leu Glu Ala Thr
 130 135 140

Tyr Ser Asn Val Gly Leu Ala Ala Leu Pro Gly Val Ser Leu Ala Ala
 145 150 155 160

Ser Pro Val Val Ala Glu Tyr Ala Arg Val Gln Lys Arg Lys Gly Thr
 165 170 175

His Arg Ser Pro Gln Glu Pro Gln Gln Gly Lys Thr Glu Val Thr Pro
 180 185 190

Ala Ala Gln Val Asp Val Leu Tyr Ser Arg Val Cys Lys Pro Lys Arg
 195 200 205

Arg Asp Pro Gly Pro Thr Thr Asp Pro Leu Asp Pro Lys Gly Gln Gly
 210 215 220

131

Ala Ile Leu Ala Leu Ala Gly Asp Leu Ala Tyr Gln Thr Leu Pro Leu
225 230 235 240

Arg Ala Leu Asp Val Asp Ser Gly Pro Leu Glu Asn Val Tyr Glu Ser
245 250 255

Ile Arg Glu Leu Gly Asp Pro Ala Gly Arg Ser Ser Thr Cys Gly Ala
260 265 270

Gly Thr Pro Pro Ala Ser Ser Cys Pro Ser Leu Gly Arg Gly Trp Arg
275 280 285

Pro Leu Pro Ala Ser Leu Pro
290 295

<210> 132

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2899137

<400> 132

Met Ala Ala Ser Met Ala Arg Gly Gly Val Ser Ala Arg Val Leu Leu
1 5 10 15

Gln Ala Ala Arg Gly Thr Trp Trp Asn Arg Pro Gly Gly Thr Ser Gly
20 25 30

Ser Gly Glu Gly Val Ala Leu Gly Thr Thr Arg Lys Phe Gln Ala Thr
35 40 45

Gly Ser Arg Pro Ala Gly Glu Glu Asp Ala Gly Gly Pro Glu Arg Pro
50 55 60

Gly Asp Val Val Asn Val Val Phe Val Asp Arg Ser Gly Gln Arg Ile
65 70 75 80

Pro Val Ser Gly Arg Val Gly Asp Asn Val Leu His Leu Ala Gln Arg
85 90 95

His Gly Val Asp Leu Glu Gly Ala Cys Glu Ala Ser Leu Ala Cys Ser
100 105 110

132

Thr Cys His Val Tyr Val Ser Glu Asp His Leu Asp Leu Leu Pro Pro
115 120 125

Pro Glu Glu Arg Glu Asp Asp Met Leu Asp Met Ala Pro Leu Leu Gln
130 135 140

Glu Asn Ser Arg Leu Gly Cys Gln Ile Val Leu Thr Pro Glu Leu Glu
145 150 155 160

Gly Ala Glu Phe Thr Leu Pro Lys Ile Thr Arg Asn Phe Tyr Val Asp
165 170 175

Gly His Val Pro Lys Pro His
180

<210> 133

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2986229

<400> 133

Met Trp Arg Lys Pro Asp Val Leu Tyr Ser Val Ile Pro Val Thr Ser
1 5 10 15

Leu Phe Phe Leu Leu Ala Leu Asn Leu Pro Asp Val Phe Gly Leu Val
20 25 30

Val Leu Pro Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu Leu Asp Val
35 40 45

Arg Ser Val Leu Ser Leu Ser Ala Val Cys Arg Asp Leu Phe Thr Ala
50 55 60

Ser Asn Asp Pro Leu Leu Trp Arg Phe Leu Tyr Leu Arg Asp Phe Arg
65 70 75 80

Gly Asp Phe Arg Asn Asp Ile Phe Thr Arg Lys Gly Ser Tyr Cys Leu
85 90 95

Asp Tyr Ser Ala His Gln Lys Phe Leu Val Val Gly Phe Phe Cys Cys
100 105 110

Lys

<210> 134

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3222081

<400> 134

Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr Leu Ser Arg Val Leu
 1 5 10 15

Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala Arg Gln Pro Arg Ile
 20 25 30

Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu Ile Arg Thr Ile Arg
 35 40 45

Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu Glu Val Val Ser Glu
 50 55 60

Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu Glu Tyr Leu Val Ile
 65 70 75 80

Ile Arg Phe Thr Pro Thr Val Pro His Cys Ser Leu Ala Thr Leu Ile
 85 90 95

Gly Leu Cys Leu Arg Val Lys Leu Gln Arg Cys Leu Pro Phe Lys His
 100 105 110

Lys Leu Glu Ile Tyr Ile Ser Glu Gly Thr His Ser Thr Glu Glu Asp
 115 120 125

Ile Asn Lys Gln Ile Asn Asp Lys Glu Arg Val Ala Ala Ala Met Glu
 130 135 140

Asn Pro Asn Leu Arg Glu Ile Val Glu Gln Cys Val Leu Glu Pro Asp
 145 150 155 160

<210> 135

<211> 865

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 443531

<400> 135
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 tgaaaacaag tgcaaatctg ttaggagtat gttctggggc aatTTTTgct ctctgatga 120
 agacaaaggc tgttgatcca ctgaaccac ccagacacta tgtgggttct tgaatgtcct 180
 acgtacattt tgatggatta cccaaggact atctgatgaa gaataataga gacatatataa 240
 tacatatggg ctacatcttg gcaaaaataaa gtaatcctga agtaaattct aaggatgttc 300
 tgaattgaca cctcttaagc acaaccgaat gtctgtgtgg ctttgcctcc cactggggct 360
 ttttggctct tgtttggccc cagcggctgc tgcagctctg tctgaattca cacaggagca 420
 acatgatggg gctcagccct cgccgaagtg tcttgctgaa gagttgggag atgcttggac 480
 tattcagata gaagccaact ggaagtacag ggcagtcaac acaaaccaga gaggcaaact 540
 tttggccagt gagacatgga aaggggagaag aaatacatto ttctttctcc cctagagtga 600
 ggaccaacct gagtcccagt cacctggaat cccctcagac gagcgtccct tgagatccag 660
 cacatggcag ccagcgtgct gacgattcct tctgcctac tggctccttc ttatttctgc 720
 ctccgtggaa ctgtattctc taatcaatat tagcacatac atattgcccc agactgtacc 780
 tcttggaac ccaggataaa gcactatcta aacattttgt cttggaattg taataaactt 840
 caaaagaaaa atacaaaaaa aaaaa 865

<210> 136
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> a, c, g, t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 632860

<400> 136
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 aactagaag tgtccagcct ccaagcccaa gagatgtggc cggcagggct gggcaggtcc 120
 ttgctggctc agcctgctct ttgctccttc atgggacccc agtggatcct gcagttctgc 180

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| tcttggtg | aaccacgcca | gcttcgctgg | agctggactg | agccgccttt | tacattattg | 240 |
| gactctctcg | ggttgagagc | tgcccaggac | tcctgcagtt | tcaccaccct | tgttcctttg | 300 |
| actcttgact | catcattcat | gaccgttaac | gtggttccat | ttgtatggac | ttcttctttc | 360 |
| ttcagagcat | ttcagtatcc | tgttacctcc | ccatgcagaa | caaagaatac | tccacttttg | 420 |
| atagatgggg | ttaccaggat | tcaggctaca | tggcctgagg | caaggtcaca | acatgagtga | 480 |
| cagaatgtgt | cctggaagcc | aggcatcctc | tggggtgtat | ttggggcgct | caacaaggct | 540 |
| tgatcgagct | ttgggggtag | atctagctat | tccatgggga | ttcttttcag | aattgctgtt | 600 |
| ttcggtaact | aattccatga | ccagggtccat | ggcattggat | gacattgcgc | tacactgttg | 660 |
| ctcaccggg | tcaccgtcc | tcacagggtg | gatggcaagc | atgttg | | 706 |

<210> 137

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 670010

<400> 137

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|------------|-------------|-------------|-------------|-------------|-------------|-----|
| acttctacat | gggcctcctg | ctgctggtgc | tcttcctcag | cctcctgccg | gtggcctaca | 60 |
| ccatcatgtc | cctccacccc | tcctttgact | gcgggcccgtt | cagggtgcaga | gtctcagttg | 120 |
| cccgggagca | cctccccctcc | cgaggcagtc | tgtcagagg | gcctcggccc | agaattccag | 180 |
| ttctggtttc | atgccagcct | gtaaaaggcc | atggaacttt | gggtgaatca | ccgatgccat | 240 |
| ttaagagggg | tttctgccag | gatggaaatg | ttagggtcgtt | ctgtgtctgc | gctgttcatt | 300 |
| tcagtagcca | ccagccacct | gtggccgttg | agtgcctgaa | atgaggaact | gagaaaatta | 360 |
| atttctcatg | tatttttctc | atttatattat | taatttttaa | ctgatagttg | tacatatattg | 420 |
| ggggtacatg | tgatatttgg | atacatgtat | acaatatata | atgatcaa | cagggttaact | 480 |
| gggatatcca | tcacatcaaa | catttatattt | ttattctttt | tagacagagt | ctcactctgt | 540 |
| caccaggt | ggagtgcagt | ggtgccatct | cagcttactg | caacctctgc | ctgccagggt | 600 |
| caagcgattc | tcatgcctcc | acctcccaag | tagctgggac | tacaggcatg | caccacaatg | 660 |
| cccaactaat | ttttgtattt | ttagtagaga | cgggggtttt | ccatgttgcc | caggctggcc | 720 |
| ttgaactcct | ggcctcaa | aatccacttg | cctcggcctc | ccaaagtgtt | atgattacag | 780 |
| gcgtgagcca | ccgtgcctgg | g | | | | 801 |

<210> 138
 <211> 664
 <212> DNA
 <213> Homo sapiens

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 <223> a, c, g, t, unknown, or other

<220>
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 <222> (527)
 <223> a, c, g, t, unknown, or other

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 <222> (540)
 <223> a, c, g, t, unknown, or other

<220>
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 <222> (565)..(566)
 <223> a, c, g, t, unknown, or other

<220>
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 <223> Incyte Clone No: 726498

<400> 138
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 gcagagccat gatgagtctt acggaaataa ggttaaaaca tatgcttgaa atttggcatg 180
 gcagacaagc cagagcttgt gaaaatctaa gaaaccaaac acgtgtagcc accaaagtgg 240
 aaccacaaaa gggaagatct acagaaattt gttgccttgc tgtagttcca ttaaatgagg 300
 ttgtgcagtc aagcatcttg tggtaggtct ggagctgttg ccagcatcag gaagacaagc 360
 tgggtgctaa gtgaagaaat acacaatgta gaaactgtca ggcactctctg cccctggact 420
 tcaccatata tgatgatgtt ctgagagtc gggcactgct tcaacttttcg cttccaaatc 480
 tcacacaaaa ttctctgtta ggcancccca gcttagancc ttacaantga gggggatcan 540
 ggaaatggag taccagata cccanngtga tatactttta tgcctcagt ttcttatctt 600
 tcagtgggga taatatcttc ggatacaaaa gagtgtacat atataccctg tatttggtaa 660
 acta 664

<210> 139
 <211> 1241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 795064

<400> 139
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 gctgaatcgg ggttaacatc ccttcaggc acagcgagtt ggttctgctt tttgcctgta 180
 agccaaagaa aagccacatc taaaaagcta ctactaaaag ccagaaagaa aagtggattt 240
 gaactcagtg tcacagactc ttctgagtgt tttaggggtca cagctagtgt aagaggcatg 300
 aagaatagac atgcaaaagg gaacgggtgc accagagacc cctgttttgg ctgacagacc 360
 atatgtccca ccagctgggg aatctgacaa gaggacatag gtggcactct ttttttaaag 420
 ctattttattg tatctatttt taaataaaat tgcccatcct cattcagctc ttagaacaaa 480
 agcaaaaaac cctgtaaate aggagatata agcacatctg caccagaat aggcccatat 540
 gatagggcaa ccctgagctt aaacaatgac atcttcaagg gtagaactaa tctgaaaccc 600
 ccttcagacc tctggaagac actggcctgc atcagttaga gtcagagcaa gtgtcacttc 660
 acagggaaaa gaaggattat atagacttcc tatccctaga gtttataaat gtcaactata 720
 taaaaaaagc tcaaaacagt gttaaaggaa tgaacagtag aattttaata ggctgtccaa 780
 agaagccagg tctgctgtgg gcaagtatag cctaacccta gtcttgtaaa ataagccaga 840
 aagggttact gagccacctt aagctagtac ctatatagta ggcaaaaagt acagaaatag 900
 atgcaataag tgtggtgagt ctttgagcct acgagtcagc ccaccagcca taagttgacc 960
 tatcacttga gaacctctc agcaaagatg ccagaaaaca ttcaatcaag ttggcaaatg 1020
 acacagggag ctggccctct gaccatcttc ctggcaaacc tggactggaa gggccatttg 1080
 cagcactgtc ctggagctaa tacactgttt cactgcctct gccatataat gatgccagca 1140
 ctagccagct ggtgggtatt tggaggaatc ctgcatgagg attgcccaat aaggggcagg 1200
 tacacatacc tggcaaagtg atgatgatgt gaattgtttc c 1241

<210> 140
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> modified_base
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<220>
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 <222> (641)
 <223> a, c, g, t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 924925

<400> 140
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 cctctcagggt gcccctactt gctttctgct tccttctggg gaagtcacc tccaacatta 180
 acctgcccac cccacccccg tcatccctgg agaattccag ctttgctcgt tctcagagag 240
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 gatatttatg taataactag acttctcaga ttattgtgag aagggtcagg ttggaagggg 420
 tgtaggaaga cgggtgaggg gtagtttttt tctgtcctag tttttttttt ttttattgtc 480
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 gagaaggctt ctctgccatt tcggtccaan ggtgactgac acaggcgta ttttggggac 600
 tgtggaagca tcagatgcc gactgactt cagaccagca nttcgggcta gaggaagatg 660
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<210> 141
 <211> 1235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 962390

<400> 141
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<210> 142

<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1259405

<400> 142

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ctgggcccc agcgatggcg accctgtggg gaggccttct tcggcttggc tccttgctca 180

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| | |
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| gcctgtcgtg cctggcgctt tccgtgctgc tgetggcgca gctgtcagac gccgccaaga | 240 |
| atttcgagga tgtcagatgt aaatgtatct gccctcccta taaagaaaat tctgggcata | 300 |
| tttataataa gaacatatct cagaaagatt gtgattgcct tcatgttgtg gagcccatgc | 360 |
| ctgtgcgggg gcctgatgta gaagcatact gtctacgctg tgaatgcaaa tatgaagaaa | 420 |
| gaagctctgt cacaatcaag gttaccatta taatttatct ctccattttg ggccttctac | 480 |
| ttctgtacat ggtatatctt actctggttg agcccatact gaagaggcgc ctctttggac | 540 |
| atgcacagtt gatacagagt gatgatgata ttggggatca ccagcctttt gcaaatgcac | 600 |
| acgatgtgct agcccgctcc cgcagtcgag ccaacgtgct gaacaaggta gaatatgcac | 660 |
| agcagcgctg gaagcttcaa gtccaagagc agcgaaagtc tgtctttgac cggcatgttg | 720 |
| tctcagcta attgggaatt gaattcaagg tgactagaaa gaaacaggca gacaactgga | 780 |
| aagaactgac tgggttttgc tgggtttcat tttaatacct tgttgatttc accaactgtt | 840 |
| gctggaagat tcaaaactgg aagcaaaaac ttgcttgatt tttttttctt gttaacgtaa | 900 |
| taatagagac atttttaaaa gcacacagct caaagtcagc caataagtct tttcctattt | 960 |
| gtgactttta ctaataaaaa taaatctgcc tgtaaattat cttgaagtcc tttacctgga | 1020 |
| acaagcactc tctttttcac cacatagttt taacttgact ttcaagataa ttttcagggg | 1080 |
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| agtgggtaac aacttttttc aagtcacttt actaaacaaa cttttgtaaa tagaccttac | 1200 |
| cttctatttt cgagtttcat ttatattttg cagtgtagcc agcctcatca aagagctgac | 1260 |
| ttactcattt gacttttgca ctgactgtgt tatctgggta tctgctgtgt ctgcacttca | 1320 |
| tggtaaacgg gatctaaaat gcctggtggc ttttcacaaa aagcagattt tcttcatgta | 1380 |
| ctgtgatgtc tgatgcaatg catcctagaa caaactggcc atttgctagt ttactctaaa | 1440 |
| gactaaacat agtcttggtg tgtgtggtct tactcatctt ctagtacctt taaggacaaa | 1500 |
| tctaaggac ttggacactt gcaataaaga aattttattt taaaccaag cctccctgga | 1560 |
| ttgataatat atacacattt gtcagcattt ccggtcgtgg tgagaggcag ctgtttgagc | 1620 |
| tccaatgtgt gcagctttga actagggctg gggttgtggg tgcctcttct gaaaggtcta | 1680 |
| accattattg gataactggc ttttttcttc ctctttggaa tgtaacaata aaaataattt | 1740 |
| ttgaaacatc catcagtgtg tctatctatg tctcctagtt ttttctctct ccctcttttg | 1800 |
| ctgtataatg agagagaaga tctgatgaga taac | 1834 |

<210> 143
 <211> 1722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1297384

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 ctcgctcccc cacctccttg ggtcatgccc acccaccctt tcctgcctcc tccgtgtgaa 180
 gacatccaac atccacgtga cttttccagc tccattttta aacagtgact gagattctag 240
 aaaaactggc tgctaactgg cctgagccag gcaacactga ttccaatccc tcctcctttt 300
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 tacccaaagg ctgcacctgc cgtgttgtct gggcttgcac cccagatgtg ttggagtatg 600
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ggcacgtgcc caactgagga acaggagaag aaatcaccaa tttgggctct cagagctaag 1620
acacacttat tgattctgtt gcacattttg cactgggtta tggcgattgt tttcttggac 1680
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<210> 144

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1299627

<400> 144

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tgtggcaaag attgcaaadc ttactgctgt gatggaacca cgccctactg ttgctcctac 180
tacgcttata ttgggaatat cctctcgggc actgcaattg cgggcattgt ttttgggaata 240
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cacagggcga cccgcgtggg catcctcagg acgactcaca tcaacaccgt ctctcctat 360
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ccatactccc ccaccccaca gggtcagca cagcgttctc caccctctcc ttatcctgga 480
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gaataaaatg cctctactca gaaacaggca ggaaagaatt gctccaagga atactttttg 600
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gtactctggg tttagtacaa gaaagagcaa tgactagatt gctttgtgaa gctcttggtg 1080
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gactcgcaaa aataaagtgg gaaatgaagt tcagattccc ttctgtagat ttccttaaaa 1560
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<210> 145

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> modified_base

<222> (973)

<223> a, c, g, t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 1306026

<400> 145

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tgctacggac gacgcctatg aagcccttag tccttctagt tgcgcttttg ctatggcctt 180
cgtctgtgcc ggcttatccg agcataactg tgacacctga tgaagagcaa aacttgaatc 240
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aggagctagt tacacatgga gacgcttcaa ctgagaatga tgttttaacc aatcctatca 420
gtgaagaaac tacaactttc cctacaggag gcttcacacc ggaaatagga aagaaaaaac 480
acacggaaag tacccttctc tggtcgatca aaccaaacaa tgtttccatt gttttgcatg 540
cagaggaacc ttatattgaa aatgaagagc cagagccaga gccggagcca gctgcaaaac 600

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aaactgagggc accaagaatg ttgccagttg ttactgaatc atctacaagt ccatatgtta 660
cctcatataaa gtcacctgtc accacttttag ataagagcac tggcattgag atctctacag 720
aatcagaaga tgttcctcag ctctcaggtg aaactgcatg agaaaaaccc gagagttgga 780
agcaccagag agtgggatat gatgcatttg aaaaaaattt agtattaatc acaatgcaca 840
ggcactttcta gtgacacagc acccagctat agagagatat gaaggggtac gagctcgaat 900
tcgaatcatg tcatagctgt ttctgtgtg aattgggtatc gctcacaatg cacacacata 960
cgagcggaag ctnaattggg aagcgggggt gccatga 997

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<210> 146

<211> 981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1316219

<400> 146

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tctgttcatt ttcattttta aagaatatcg ataacttgat gacccagaa ggagttggcc 180
ttaccactgc cttacgtgtt ctctgtaatg ttgcatgcc accacctcct gttgaaggct 240
aacagaaaga tctgaaatgg aatcttgccg ttattcagct tttttctgct gaaggaatgg 300
acacgtttat tcgagttctg caaaaattga acagtattct gactcagcct tggaggctcc 360
atgtcaacat ggggactacc cttcacagag ttactactat ttcaatggct cgctgcacac 420
tcaactcttct taaaactatg ttaacggaac tctgagagg tggatccttt gagtttaagg 480
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caggtcgttt ggatagtgat gaacagaaaa ttcagaatga tatcattgat attttactga 600
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cttggctctt aatgttaaaa gaagttcttt cttcaatctt gaagggtcct gaaggatttt 720
tttctggact catactcctt tcagagctgc tgctctctcc attgcccatg caaacaactc 780
aggtatcact tccatataac atgcatctta taaatgactg cagtaacact ttttaaaaag 840
ccagtgattt tgttaaaaaa caaaaaccct catctccctt cctcccaaaa agacataaaa 900
taaccggatg agggggagat aaaactgaaa caagttgggtc attgaggaaa tatgggggta 960

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981

<210> 147

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1329031

<400> 147

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| gccctgaaca ccagagagtc cagcagagaa aggagtcgaa gaagccacca gccaaagctgc | 180 |
| agccccgagc tctagcaggc tggctccgcc cggaagatgg aggtcaagca gaagggggcag | 240 |
| aggatgaact ggaagtccgg ttcaacgccc cctttgatgt tggaatcaag ctgtcagggg | 300 |
| ttcagtacca gcagcacagc caggccctgg ggaagtttct tcaggacatc ctctgggaag | 360 |
| aggccaaaga ggccccagcc gacaagtgat cgcccacaag ccttactcac ctctctctaa | 420 |
| gtttagaagc gctcatctgg cttttcgctt gcttctgcag caactccac gactgttgta | 480 |
| caagctcagg aggcgaataa atgttccaac ctggtaaaaa aaaaaa | 526 |

<210> 148

<211> 2090

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1483050

<400> 148

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| gagcagtctg aatgccagaa tggataaccg ttttctaca gcatttgtaa ttgcttgtgt | 180 |
| gcttagcctc atttccacca tctacatggc agcctccatt ggcacagact tctggatga | 240 |
| atatcgaagt ccagttcaag aaaattccag tgatttgaat aaaagcatct gggatgaatt | 300 |
| cattagtgat gaggcagatg aaaagactta taatgatgca ctttttcgat acaatggcac | 360 |
| agtgggattg tggagacggg gtatcaccat acccaaaac atgcattggg atagcccacc | 420 |
| agaaaggaca gagtcatttg atgtggtcac aaaatgtgtg agtttcacac taactgagca | 480 |

| | |
|---|------|
| gttcatggag aaatttggtg atcccggaaa ccacaatagc gggattgata tccttaggac | 540 |
| ctatcttttg cgttgccagt tccttttacc ttttgtgagt ttaggtttga tgtgctttgg | 600 |
| ggctttgata ggactttgtg cttgcatttg ccgaagctta tatcccacca ttgccacggg | 660 |
| cattctccat ctccctgcag gtctgtgtac actgggctca gtaagttgtt atgttgctgg | 720 |
| aattgaacta ctccaccaga aactagagct cctgacaat gtatccggtg aatttgatg | 780 |
| gtccttctgc ctggcttggt tctctgtctc cttacagttc atggcttctg ctctcttcat | 840 |
| ctgggctgct cacaccaacc ggaaagagta caccttaatg aagccatata gtgtggcatg | 900 |
| agcaagaaac tgccctgcttt acaattgcc a tttttat tttaaaataa tactgatatt | 960 |
| ttccccacct ctcaattggt ttttaattttt atttgtggat ataccatttt attatgaaaa | 1020 |
| tctattttat ttatacacat tcaccactaa atacacactt aataccacta aaatttatgt | 1080 |
| ggtttacttt aagcgatgcc atctttcaaa taaactaatc taggtctaga cagaaagaaa | 1140 |
| tggatagaga cttgacacaa atttatgaaa gaaaattggg agtaggaatg tgaccgaaaa | 1200 |
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| tggctgtcca ttaacctcca actatgggtc ttatttcttg tggtaatatg atgtgccttt | 1860 |
| ccttgcctaa atcccttcc ggtgtgtatc aacattat ttt aatgtcttct aattcagtca | 1920 |
| tttttttata agtatgtcta taaacattga actttaaaaa acttatttat ttattccact | 1980 |
| actgtagcaa ttgacagatt aaaaaaatgt aacttcataa tttcttacca taacctcaat | 2040 |
| gtctttttta aaaaataaaa ttaaaaatga aaagagactc aaaaaaaaaa | 2090 |

<210> 149
 <211> 2403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1514160

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<210> 150

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1603403

<400> 150

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aaaaaaaaa a

431

<210> 151

<211> 2109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1652303

<400> 151

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| tgctttcttg tcttttatctt ctaaaagccc ccttataccc cactttgtgc agcaaagatc | 120 |
| cccgtgcagg tcacagcctg atttgtggcc aggctggaca aattcctgag gcacaacttg | 180 |
| gcttcagttc agatttcaag ctgtgttggt gttgggacca gcagaaggca aacgtccagc | 240 |
| caacacacag gactgtaaga ggactctgag ctacgtgccc tgtgaagacc cccaggcttt | 300 |
| gtcataggag gtctgtcagc ttccccaag tcagaggtga tttgatttgg ggaagactga | 360 |
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| agttctctct ctcatacaca cacacacctt tgctccagaa tcaccagaca cctccatggc | 480 |
| tccagctatg ggaacagctg cattggggct gcctttctgt ttggcttagg aacttctgtg | 540 |
| cttcttgttg ctccactcgc gaggcagctc ggaggtgttg actccgattg ggctgcaggc | 600 |
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| tggcctcctg gccagtcttt ctgcgaatag tcctctccct ggccagttga atgggggaag | 720 |
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| tttctcaggc tctggggaaa ggaatctccc tctcctctca cttgattcca agtgtggttg | 960 |
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| caatctcgcc atttaacttt caggctcgatt tcctttcctg atcagacatc tttgtgcccc | 1080 |
| cttttaggaag gaaaagaata cacctacgat gtgccaggca ctgtgttagg cgcttttata | 1140 |
| tagatcctcg ttaggatgag actaagggat gaggacatct ctttataaaa ggcccctaag | 1200 |
| taatggataa acagaaacac ttagaggtga gaaggtctgt cttcaagatc caaggtaaga | 1260 |
| ttgccttcag tctgatgttt gttctcaagg acttatcccc tacaatatc tccactcca | 1320 |

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<210> 152

<211> 1114

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1693358

<400> 152

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gtctcgtgct ctggctcccc gcgtgcgtcg cggcccacgg cttccgtatc catgattatt 180
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| | | | | | | |
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| agagtttgtc | ccacattcca | gccataagt | actctgagct | gggaagggga | aacccaggaa | 720 |
| ttttgctact | tggaatttgg | agatagcatc | tggggacaag | tggagccagg | tagaggaaaa | 780 |
| gggtttgggc | gttgctaggc | tgaaagggaa | gccacaccac | tggccttccc | ttccccaggg | 840 |
| cccccaaggg | tgtctcatgc | tacaagaaga | ggcaagagac | aggccccagg | gcttctggct | 900 |
| agaacccgaa | acaaaaggag | ctgaaggcag | gtggcctgag | agccatctgt | gacctgtcac | 960 |
| actcacctgg | ctccagcctc | ccctaccag | ggtctctgca | cagtgacctt | cacagcagtt | 1020 |
| gttggagtgg | tttaaagagc | tggtgtttgg | ggactcaata | aaccctcact | gacttttttag | 1080 |
| caataaagct | tctcatcagg | gttaaaaaaa | aaaa | | | 1114 |

<210> 153

<211> 2192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1707711

<400> 153

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| gagaaacctg | tccaatttta | gcaggtttga | agggaggatc | ttcttcagtt | gtagtttgga | 120 |
| aggttccttg | gtgtggctca | tgaaatcaca | gagctcagag | ataccatctt | gagaaatcct | 180 |
| ccttgggtatc | atgaaactgg | agcagaggaa | ttgcaattta | gcaggaggtc | ctctactggt | 240 |
| gataccctca | ccttggggta | atggtcctaa | cccagaccca | gggtctggaa | gcttaatggt | 300 |
| gagttgggtga | ctccagcctc | tttctcctgg | aggtcacaag | atgatgattg | cgtagatggt | 360 |
| gcctgggtgca | aagtgcccc | aacagcaata | gaaaggcata | tgtataacca | aactccaagt | 420 |
| gataaccaga | cccatctctc | ctccaccttg | acaaaagcag | attatagtat | acaaggtagg | 480 |
| aattcctgtc | ctatttgaga | tgaactatat | cctgtacctc | tgtgctctgt | gtctgcatga | 540 |
| aggctcagcc | tttagaggca | ctccttctag | ttgcattagt | actgtctttc | tgtggagtgt | 600 |
| ggtttgaaga | ctggctcagc | aagtggaggt | ttcaatgtat | ttttcagttg | gctcatcagc | 660 |
| cagcattggg | gaatattcag | tttaggggaa | cagttctagg | gagtgagaca | tttttgggag | 720 |
| cagaggaaaa | ctctgctgat | gttcggtcct | ggcaaacatt | gagttatatt | gagctgtgaa | 780 |
| ggcagtcgtc | tctgttacac | agtggcagct | cttgagttat | gcactgtgaa | gaatgagaag | 840 |

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<210> 154

<211> 913

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1738735

<400> 154

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| gatagatctc | tggcttcctg | ctctgtttgt | tctggttgcc | ctggaaagcc | tgctgctcag | 120 |
| cccatgcccc | gggacttcct | ccaccctcac | caggacattc | tttccatctc | ttgtctcctg | 180 |
| tgtgcaagtc | cctttctcct | ggattccatg | tcttgaatgt | ttcttaattt | acttcctcat | 240 |
| tttggcagag | gatgtcctcc | agttgttttc | tgggaatgct | aatatgcaag | tgaaccagtg | 300 |
| acctgcagtt | ctgcccacac | agggttaata | accaatcaga | ttctctcttt | tcaagatggg | 360 |
| taacataaca | gacaccaaga | aaggggaagag | gagccgacag | cagaggggga | agctgaaaag | 420 |
| acgcacaaaag | aatggccata | aaagatatga | gcaaccccag | ctttccagac | agtcactttt | 480 |
| cccagtgggc | atacctgggc | tggaagattc | cccatcatct | cgaataaagc | tggtgttgct | 540 |
| tttaactcca | tggagagacc | gaatggagtg | agcccagcag | ggcatgctgg | gcaagagagg | 600 |
| tccccgagt | cccaaataag | aatttcaact | agtataaaac | gaggcagcga | accacacagt | 660 |
| ggaagtctga | taccgcttgc | agaagggaaat | tgaatagatg | tctccctatt | ggtaaggatg | 720 |
| tggttttatt | gacttgaaat | aacaaagccc | gcaagcaaca | actgatcatc | cgcgggatgc | 780 |
| tgccacaagg | aataattgag | cactcattca | gacacagggg | aaaccactgc | ctctttcagt | 840 |
| ctttctccca | gattccaaca | gtcagtggtta | cagcatttca | ccttggttcac | ctccctgaga | 900 |
| agacgttgca | ggg | | | | | 913 |

<210> 155

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1749147

<400> 155

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| attattagga | gcaaaagtaa | atgaagccca | ggaaaacacc | tttgggaaca | aactcttcct | 120 |
| ttgatggaaa | atgcagaggc | ccttcctctc | tgtgccgtgc | ttgctcctct | tacctgcccc | 180 |
| ggtggttttg | gggtgttggt | gtttcctccc | tggagaagat | gggggaggct | gtcccactcc | 240 |
| cagctctggc | agaatcaagc | tgttgcagca | gtgccttctt | catccttcct | tacgatcaat | 300 |
| cacagtctcc | agaagatcag | ctcaattgct | gtgcagggtta | aaactacaga | accacatccc | 360 |
| aaagggtacct | ggtaagaatg | tttgaaagat | cttcatttcc | taggaacccc | agtcttgctt | 420 |
| ctccgcaatg | gcacatgctt | ccactccatc | catactgcag | tcgtcaaata | aacagatatg | 480 |

<210> 156
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 157
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 <213> Homo sapiens

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 ctgtggcccc gagcagcgct gctggtgctg ttgggggtgg cagccagtct gtgtgtgcgc 180
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 gaagcctaca tagaccccat tgccatggag tattacaact gggggcggtt ctgaagccc 480

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<210> 158

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<212> DNA

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<400> 158

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| cttcgctctc | ttcctggctg | cgccctagg | tccggtggca | gccttcaagg | tcgccacgcc | 240 |
| gtattccctg | tatgtctgtc | ccgaggggca | gaacgtcacc | ctcacctgca | ggctcttggg | 300 |
| ccctgtggac | aaagggcacg | atgtgacctt | ctacaagacg | tggtagcgca | gctcgagggg | 360 |
| cgaggtgcag | acctgctcag | agcgccggcc | catccgcaac | ctcacgttcc | aggaccttca | 420 |
| cctgcaccat | ggagggcacc | aggctgcaa | caccagccac | gacctggctc | agcgccacgg | 480 |
| gctggagtcg | gcctccgacc | accatggcaa | cttctccatc | accatgcgca | acctgacctt | 540 |
| gctggatagc | ggcctctact | gctgcctggt | ggtggagatc | aggcaccacc | actcggagca | 600 |
| caggggccat | ggtgccatgg | agctgcaggt | gcagacaggc | aaagatgcac | catccaactg | 660 |
| tgtggtgtac | ccatcctcct | cccaggagag | tgaaaacatc | acggctgcag | ccctggctac | 720 |
| gggtgcctgc | atcgtaggaa | tccctctgcct | ccccctcatc | ctgctcctgg | tctacaagca | 780 |
| aaggcaggca | gcctccaacc | gccgtgccca | ggagctggtg | cggatggaca | gcaacattca | 840 |
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| agtcaggcac | cccctgtcct | atgtggccca | gcggcagcct | tctgagtctg | ggcggcatct | 960 |
| gctttcggag | cccagcacc | ccctgtctcc | tccaggcccc | ggagacgtct | tcttcccatc | 1020 |
| cctggacctt | gtccctgact | ctccaaactt | tgaggtcata | tagcccagct | gggggacagt | 1080 |
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| cctccttggc | ctcgccctg | gttccctccc | tctgtctctg | ggctcagata | ctgtgacatc | 1200 |
| ccagaagccc | agccccctca | cccctctgga | tgtctacatg | ggatgctgga | cggctcagcc | 1260 |
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| tcgttctgag | acatgagcct | tgggatgtgg | cagcatcagt | gggacaagat | ggacactggg | 1440 |
| ccaccctccc | aggcaccaga | cacagggcac | ggtggagaga | cttctcccc | gtggccgctt | 1500 |
| tggctcccc | gttttgcccg | aggctgctct | tctgtcagac | ttcctctttg | taccacagtg | 1560 |
| gctctggggc | caggcctgcc | tgcccactgg | ccatcgccac | cttccccagc | tgctctctac | 1620 |
| cagcagtttc | tctgaagatc | tgtcaacagg | ttaagtcaat | ctggggcttc | cactgcctgc | 1680 |
| attccagtcc | ccagagcttg | gtgggtcccg | aacgggaagt | acatattggg | gcatggtggc | 1740 |
| ctccgtgagc | aaatggtgtc | ttgggcaatc | tgaggccagg | acagatgttg | ccccaccac | 1800 |
| tggagatggt | gctgagggag | gtgggtgggg | ccttctggga | aggtgagtgg | agaggggcac | 1860 |

ctgccccccg ccctcccat cccctactcc cactgctcag cgcgggccat tgcaagggtg 1920
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<211> 480
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<223> a, c, g, t, unknown, or other

<220>
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<223> Incyte Clone No: 1841607

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gttggtcctt ttggtctgtt tctgccatgg ccagcgcct tccctctcag aatacataca 180
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<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1852391

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cccacgtggg aaggccagcg ggaaaccagg cctgctgaag tctccagcgc tggaagcctc 180
acgggggtta ggaaggagcc ttgggagcag ctctcagag cacagttgta cctcaattgt 240

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ggattttaga tgtttctgct tctcaatggt ctctcttttt tcttgctgc ttgctgct 300
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cgtgattggt tatgtgtatg ttgcaaaact aattcctttt tctacatctg attctttcta 420
cttttgttta gagttaatgc tccttttatg tcaccagttg ctttgctttt taaattattt 480
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tc 542

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<210> 161

<211> 1066

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1854555

<400> 161

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ggcactgtgc tcggagtcgg tgcgggcgtg ttcattcttag ccctgctctg ggtggcagtg 180
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gttctggagc cgatctatgc caaaccactg cactctact gaccactctt caggaaaacg 480
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attttaatgt gataatttgg aagacttact cagatgttgg tcattgacca ctctgtgcat 960
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 <211> 1173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1855755

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 gccgagctcc cggggccctt tctctgcggg gccctgctag gcttcctgtg cctgagtggg 180
 ctggccgtgg aggtgaaggt acccacagag ccgctgagca cgccctggg gaagacagcc 240
 gagctgacct gcacctacag cagtcggtg ggagacagct tcgccctgga gtggagcttt 300
 gtgcagcctg ggaaacccat ctctgagtcc catccaatcc tgtacttcac caatggccat 360
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 caagtcaaca acccaccaga tttctacacc aatgggttgg ggctaataa cttactgtg 540
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 actgcactga gatgcagctc ttccgagggg gctcctaagc cagtgtacaa ctgggtgcgt 660
 cttggaactt ttctacacc ttctcctggc agcatggttc aagatgaggt gtctggccag 720
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 cagatgggca gtgcacctg tgagctgacc ctctctgtga ccgaacctc ccaaggccga 840
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<210> 163
 <211> 890
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1861434

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 tccaaactgg cgaatttgct gatcttcgct tccctctcct ctttcgggcc ggcagcgctg 180
 ccagggtata tttccttttt tccgatcctg caacagcctc tttaaactgt ttaaatagaga 240
 atgtccttgg ctgagagagt actactcacc tggcttttca cactactctt cttgatcatg 300
 ttggtgttga aactggatga gaaagcacct tggaaactgg tctcatatt cattccagtc 360
 tggatatttg atactatcct tcttgtcctg ctgattgtga aaatggctgg gcggtgtaag 420
 tctggctttg accctcgaca tggatcacac aatattaaaa aaaaagcctg gtacctcatt 480
 gcaatgttac ttaaattagc cttctgcctc gcactctgtg ctaaactgga acagtttact 540
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 tattgctgtt caacaagtta ccattaaagt gttctgaatc tgtcaagctt caagaatacc 720
 agagaactga gggaaaatac caaatgtagt tttatactac ttccataaaa caggattggg 780
 gaatcacgga cttctagtca acctacagct taattattca gcatttgagt tattgagatc 840
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<210> 164
 <211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1872334

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 ctcagctgtg gatcgagag ctccagcggg caggcgtagc tttctcacag acctgggtgg 300
 gggcctgctg caggtggaaa tggttaccct gcaggaagag gatgctggcg agtatggctg 360

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| catggtggat | ggggccaggg | ggccccagat | tttgacaga | gtctctctga | acatactgcc | 420 |
| cccaggtgag | ttatcctagg | ccagctacca | ccccttagac | ctaccctccc | cacccccgcc | 480 |
| tattgccagg | gctcatgggt | tcttgaggag | tgggggcccc | tggggaggag | gcattccaag | 540 |
| gagatattct | cttgacagct | ctgcagggag | cggaaaccaa | actgggtggg | aagtctgaga | 600 |
| taaatcagct | gaaaaccatc | cctttccccc | ttccacacta | ctgcgcttcc | ccacaggaag | 660 |
| gcatgtcctt | cccactccag | ggacttggcc | tcttcttcca | gcattttcaa | catacttgat | 720 |
| gctaacttat | tttttaatta | gaaatatttt | aaacaatggt | gaatctgagt | gtataaaaaca | 780 |
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<210> 165

<211> 1923

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1877230

<400> 165

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| tgtggccgcc | gccaccgtaa | ggctaggccg | cgagcttagt | cctgggagcc | gcctccgtcg | 120 |
| ccgccgtcag | agccgcctta | tcagattatc | ttaacaagaa | aaccaactgg | aaaaaaaaat | 180 |
| gaaattcctt | atcttcgcat | tttctgggtg | tgttcacctt | ttatccctgt | gctctgggaa | 240 |
| agctatatgc | aagaatggca | tctctaagag | gacttttgaa | gaaataaaag | aagaaatagc | 300 |
| cagctgtgga | gatgttgcta | aagcaatcat | caacctagct | gtttatggta | aagcccagaa | 360 |
| cagatcctat | gagcgattgg | cacttctggt | tgatactggt | ggaccagac | tgagtggctc | 420 |
| caagaaccta | gaaaaagcca | tccaaattat | gtacaaaaac | ctgcagcaag | atgggctgga | 480 |
| gaaagtccac | ctggagccag | tgagaatacc | ccactgggag | aggggagaag | aatcagctgt | 540 |
| gatgctggag | ccaagaattc | ataagatagc | catcctgggt | cttggcagca | gcattgggac | 600 |
| tcctccagaa | ggcattacag | cagaagttct | ggtggtgacc | tctttcgatg | aactgcagag | 660 |
| aagggcctca | gaagcaagag | ggaagattgt | tgtttataac | caaccttaca | tcaactactc | 720 |
| aaggacggtg | caataccgaa | cgcagggggc | ggtggaagct | gccaagggtg | gggctttggc | 780 |
| atctctcatt | cgatccgtgg | cctccttctc | catctacagt | cctcacacag | gtattcagga | 840 |
| ataccaggat | ggcgtgccca | agattccaac | agcctgtatt | acggtggaag | atgcagaaat | 900 |
| gatgtcaaga | atggcttctc | atgggatcaa | aattgtcatt | cagctaaaga | tgggggcaaa | 960 |

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aaa 1923

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<210> 166

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1877885

<400> 166

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gcaaagtcta catcaacatg ccaggcaggg gctgaccctc ctgcagcttg gacctttgac 420
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<210> 167

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1889269

<400> 167

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 ccggaccaag gctgtaggtt ccatgaggac aggccttgag tctgtcctgg tctctggaat 240
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 aatgccttgg ggaatgtctt cgtcagtgag ctgctggaaa ctctggccca gctgcgggag 720
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<210> 168

<211> 1548

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 168

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tggcccagga ccatggcacc cttagagtgc agaagctggg gggagaggct gcttcgaagg 1020
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cctgatggga actcctgcgg cagagcccag gctggggaag tgaactaccc agggcagccc 1140
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atttaagtgt attgtatcat tggTTTTctg tgattgtcat aacattgttt ttgttattgt 1260
tgggtgctgtt gttattttatt attgtaattt cagtttgcct ctactggaga atctcagcag 1320
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cctcttggag cctgtcagga actcctcact gtttaaatat ttattttattg tgacaaatgg 1440
agctggtttc ctagatatga atgatgtttg caatcccat tttcctgttt cagcatgtta 1500
tattcttata aaataaaaagc aaaagtcaaa tatgaaaaaa aaaaaaaaa 1548

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<210> 169

<211> 616

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1900433

<400> 169

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gccagctcag gtgagccctc gccaaaggta cctcgcagga cactggtgaa ggagcagtga 60
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gggctgcaga ccccgcccc agtgccctctc cccctgcagc cctgcccctc gaactgtgac 180
atggagagag tgaccctggc ccttctccta ctggcaggcc tgactgcctt ggaagccaat 240
gacccatttg ccaataaaga cgatcccttc tactatgact ggaaaaacct gcagctgagc 300
ggactgatct gcggagggct cctggccatt gctgggatcg cggcagttct gagtggcaaa 360
tgcaaataca agagcagcca gaagcagcac agtcctgtac ctgagaaggc catccactc 420
atcactccag gctctgccac tacttgctga gcacaggact ggcctccagg gatggcctga 480
agcctaacac tggccccag cacctcctcc cctgggaggc cttatcctca aggaaggact 540
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ctgccccac ccccc 616

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<210> 170

<211> 1981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1909441

<400> 170

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| cagaacttct ttttgacacc atagattctt ctgaggtcaa cgttgcaaaa agcatagcaa | 60 |
| agtttcttcg aaatgttaga tatcgttatc aaccactatt agaaagatgt aataacgtat | 120 |
| ttttaagtaa tgtggaccac cttgatttgg attccatcag taaaatactt agtgtataca | 180 |
| aatttctaca atttaatagt tttgaattta ttataatggc taaaaagaag ctaactgaaa | 240 |
| tgattcctct gtgtaatcat cctgctagct ttgtaaaatt gtttgtagca ttgggaccca | 300 |
| ttgcaggacc tgaagaaaag aaacaactta aatcaactat gttattgatg tcagaggacc | 360 |
| taactggcga gcaagccctg gcagtgttg gagcaatggg agatatggaa agcagaaaact | 420 |
| catgtctgat taaaagagtt acttcagttc tgcataaaca tttggatggc tataaaccat | 480 |
| tagagttggt gaagataact caagaattga cttttctgca tttccaaagg aaggagtttt | 540 |
| ttgcgaaact tagagaatta ctgcttagtt atttgaaaaa tagtttcata ccaactgagg | 600 |
| tgtctgttct ggtccgtgct atttccctgc tcccttctcc tcaactggac gaagtgggga | 660 |
| tatcccgaat tgaagccgtt ttaccacagt gtgacctaaa taacctgagt agttttgcca | 720 |
| catctgtttt aagatggatt cagcatgac acatgtattt ggataatatg actgcgaaac | 780 |
| aactgaaact acttcaaaaa ttagatcact atgggtcgtc gagactacaa cacagcaaca | 840 |
| gtttggatct gttacggaag gaacttaaat ctctcaaagg aaacacgttt cctgagtcac | 900 |
| ttcttgaaga aatgattgct actttacagc atttcatgga tgatattaat tacataaatg | 960 |
| ttggggagat tgcattcttt atttctagta ctgattacct cagtactttg ctactagata | 1020 |
| ggatagcctc agtggctggt cagcagattg aaaagatcca tccttttaca atccctgcta | 1080 |
| ttattcgtcc attcagcgta ttgaactatg atccacctca aagggatgaa tttttgggaa | 1140 |
| cttgctgca acatcttaat tcttacttag gtatattgga tccttttata ttagtgtttc | 1200 |
| ttggtttctc tttggccaca cttgaatatt ttccagaaga tctgctaaag gcaattttta | 1260 |
| acatcaaatt cttagctaga ttggattctc aacttgaaat tttatctcca tctogaagtg | 1320 |
| caagagtcca gtttcatctt atggagttaa atagatcagt ctgcttgga tgccctgagt | 1380 |
| ttcagattcc atggtttcat gaccgcttct gtcaacaata taataaagggt attggtggca | 1440 |
| tggatggaac acaacagcag atttttaaaa tgtttagcaga ggtactagga ggaatcaatt | 1500 |
| gtgtaaaagc ctcggttctt acgccttatt accacaaagt agattttgag tgtatcttgg | 1560 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ataaaagaaa | aaaacctctt | ccgtatggaa | gccataatat | agcattggga | caactaccag | 1620 |
| aaatgccctg | ggaatcaaat | atcgaaatag | ttggatcaag | gctgccacca | ggggctgaaa | 1680 |
| ggattgcttt | ggaatttttg | gattcaaaag | cactttgtag | aaatatccct | cacatgaaag | 1740 |
| gaaaatctgc | tatgaaaaaa | cgacatttgg | aaattctggg | gtatcgtgta | attcagattt | 1800 |
| cccagtttga | atggaactct | atggcactgt | caacaaagga | tgctcggatg | gactacctga | 1860 |
| gagaatgtat | atttgagaga | gtcaagtcac | gtttgtagtt | tttattttaa | atgaatgtta | 1920 |
| tcgtgtgtta | catttggacc | tattttaata | aagtggcctg | tctcaattaa | aaaaaaaaaa | 1980 |
| g | | | | | | 1981 |

<210> 171

<211> 1492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932226

<400> 171

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| cttctgggtg | aggagtttga | gcttggctgg | gtccagggcc | cagcactgac | tcccgctccct | 60 |
| gaggaggagg | aagaagagga | agagggggct | ccgattggga | cccctaggga | tccctggagat | 120 |
| ggttgctcct | cccccgacat | ccctcctgaa | ccccctccaa | cacacctgag | gccctgcctc | 180 |
| gccagccagc | tccctggact | cctgtcccat | ggcctcctgg | ccggcctctc | ctttgcagtg | 240 |
| gggtcctcct | ctggcctcct | gccccctcctg | ctgctgctgc | tgcttcatt | gctggcagcc | 300 |
| caggggtggg | gtggcctgca | ggcagcgctg | ctggcccttg | aggtggggct | ggtgggtctg | 360 |
| ggggcctcct | acctgctcct | ttgtacagcc | ctgcacctgc | cctccagtct | tttccctactc | 420 |
| ctggcccagg | gtaccgcact | ggggggccgtc | ctgggcctga | gctggcgccg | aggcctcatg | 480 |
| ggtgttcccc | tgggccttgg | agctgcctgg | ctcttagctt | ggccaggcct | agctctacct | 540 |
| ctggtggcta | tggcagcggg | gggcagatgg | gtgcggcagc | agggcccccg | ggtgcgcggg | 600 |
| ggcatatctc | gactctgggt | gcgggttctg | ctgcgcctgt | cacccatggc | cttccggggc | 660 |
| ctgcagggct | gtggggctgt | gggggaccgg | ggtctgtttg | cactgtaccc | caaaaccaac | 720 |
| aaggatggct | tccgcagccg | cctgcccgtc | cctgggcccc | ggcggcgtaa | tccccgcacc | 780 |
| acccaacacc | cattagctct | gttggcaagg | gtctgggtcc | tgtgcaaggg | ctggaactgg | 840 |
| cgtctggcac | gggcccagca | gggttttagca | tcccacttgc | ccccgtgggc | catccacaca | 900 |
| ctggccagct | ggggcctgct | tcggggtgaa | cggcccaccc | gaatcccccg | gctactacca | 960 |

```

cgcagccagc gccagctagg gccccctgcc tcccgccagc cactgccagg gactctagcc 1020
gggcggagggt cacgcacccg ccagtcgccg gccctgcccc cctggaggta gctgactcca 1080
gcccttccag cccaaatcta gagcattgag cactttatct cccacgactc agtgaagttt 1140
ctccagtcct tagtctcttc ttttcaccca ccttcctcag tttgctcact taccacaggc 1200
ccagcccttc ggacctctag acaggcagcc tcctcagctg tggagtccag cagtcaactct 1260
gtgttctcct ggcgctcctc ccctaagtta ttgctgttcg cccgctgtgt gtgctcatcc 1320
tcacctcat tgactcaggc ctggggccag ggggtggtgga ggggtgggaag agtcatgttt 1380
tttttctcct ctttgatttt gtttttctgt ctcccttcca acctgtcccc ttccccccac 1440
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<210> 172

<211> 1613

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1932647

<400> 172

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gtggaagggtg tccgacctac cccggcaatg gaccctaag aacaccagct gcgacagcgg 180
cttgggggtgc caggacacgt tgatgctcat tgagagcgga ccccaagtga gcctgggtgct 240
ctccaagggc tgcacggagg ccaaggacca ggagccccgc gtcactgagc accggatggg 300
ccccggcctc tccctgatct cctacacctt cgtgtgccgc caggaggact tctgcaacaa 360
cctcgttaac tccctccgcg tttgggcccc acagcccca gcagaccag gatccttgag 420
gtgcccagtc tgcttgctta tgaaggctg tctggagggg acaacagaag agatctgccc 480
caaggggacc acacactgtt atgatggcct cctcaggctc aggggaggag gcatcttctc 540
caatctgaga gtccagggat gcatgcccc gccagggtgc aacctgctca atgggacaca 600
ggaaattggg cccgtgggta tgactgagaa ctgcaatagg aaagattttc tgacctgtca 660
tcgggggacc accattatga cacacggaaa cttggctcaa gaaccactg attggaccac 720
atcgaatacc gagatgtgcg aggtggggca ggtgtgtcag gagacgctgc tgctcataga 780
tgtaggactc acatcaaccc tgggtggggac aaaaggctgc agcactgttg gggctcaaaa 840

```


| | | | | | | |
|------------|------------|------------|--------------|------------|-------------|------|
| ttcccagaag | accaccatcc | actcagcccc | tccctgggggtg | cttgtggcct | cctataccca | 900 |
| cttctgctcc | tcggacctgt | gcaatagtgc | cagcagcagc | agcgttctgc | tgaactccct | 960 |
| ccctcctcaa | gctgcccctg | tcccaggaga | ccggcagtgt | cctacctgtg | tgcagcccct | 1020 |
| tggaacctgt | tcaagtggct | ccccccgaat | gacctgcccc | aggggcgcca | ctcattgtta | 1080 |
| tgatgggtac | attcatctct | caggagggtg | gctgtccacc | aaaatgagca | ttcagggctg | 1140 |
| cgtggcccaa | ccttcagct | tcttgttgaa | ccacaccaga | caaatcgga | tcttctctgc | 1200 |
| gcgtgagaag | cgtgatgtgc | agcctcctgc | ctctcagcat | gagggaggtg | gggctgaggg | 1260 |
| cctggagtct | ctcacttggg | gggtggggct | ggcactggcc | ccagcgctgt | gggtggggagt | 1320 |
| ggtttgcct | tccctgtaac | tctattaccc | ccacgattct | tcaccgctgc | tgaccaccca | 1380 |
| cactcaacct | ccctctgacc | tcataacct | atggccttgg | acaccagatt | ctttcccatt | 1440 |
| ctgtccatga | atcatcttcc | ccacacacaa | tcattcatat | ctattcacct | aacagcaaca | 1500 |
| ctggggagag | cctggagcat | ccggacttgc | cctatgggag | aggggacgct | ggaggagtgg | 1560 |
| ctgcatgtat | ctgataatac | agaccctgtc | ctttctccca | aaaaaaaaaa | aaa | 1613 |

<210> 173

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2124245

<400> 173

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| tgtcgcgccc | gctggccggc | tccgcctca | cctcccggcc | gcggctgccc | tctgcccggg | 60 |
| ttgtccaaga | tggagggcgc | tccaccgggg | tcgctcgccc | tccggctcct | gctgttcgtg | 120 |
| gcgctaccgc | cctccggctg | gctgacgacg | ggcgcccccg | agccgccgcc | gctgtccgga | 180 |
| gccccacagg | acggcatcag | aattaatgta | actacactga | aagatgatgg | ggacatatct | 240 |
| aaacagcagg | ttgttcttaa | cataacctat | gagagtggac | aggtgtatgt | aaatgactta | 300 |
| cctgtaaata | gtggtgtaac | ccgaataagc | tgtcagactt | tgatagtga | gaatgaaaat | 360 |
| cttgaaaatt | tggaggaaaa | agaatatattt | ggaattgtca | gtgtaaggat | tttagttcat | 420 |
| gagtggccta | tgacatctgg | ttccagtttg | caactaattg | tcattcaaga | agaggtagta | 480 |
| gagattgatg | gaaaacaagt | tcagcaaaag | gatgtcactg | aaattgatat | tttagttaag | 540 |
| aaccggggag | tactcagaca | ttcaaactat | accctccctt | tgggaagaaag | catgctctac | 600 |
| tctattttctc | gagacagtga | cattttattt | acccttccta | acctctccaa | aaaagaaagt | 660 |

```

gttagttcac tgcaaaccac tagccagtat cttatcagga atgtggaaac cactgtagat      720
gaagatgttt tacctggcaa gttacctgaa actcctctca gagcagagcc gccatcttca      780
tataaggtaa tgtgtcagtg gatggaaaag tttagaaaag atctgtgtag gttctggagc      840
aacgttttcc cagtattctt tcagtttttg aacatcatgg tggttggaat tacaggagca      900
gctgtggtaa taaccatctt aaagggtgtt ttcccagttt ctgaatacaa aggaattctt      960
cagttggata aagtggacgt catacctgtg acagctatca acttatatcc agatgggtcca     1020
gagaaaagag ctgaaaacct tgaagataaa acatgtattt aaaacgccat ctcatatcat     1080
ggactccgaa gtagcctgtt gcctccaaat ttgccacttg aatataatTT tctttaaatc     1140
gttaagaatc agttttatata ctagagaaat tgctaaactc taagactgcc tgaaaattga     1200
cctttacagt gccaaagttaa agttttacctt attctcggcc ggggtgcagtg gctcatgcct     1260
gtaatcccag gactttggga ggccaatgCG ggcggatcac gaggtcagat caagaccatc     1320
ctgccaacat ggtgaaaccc tgtctctact aaaaaaaata aaaaaattag ctgggtgtgg     1380
cgggtgcacgc ctgtagtccc agctacttgg gaggctgagg caggagaatt gcttgaaccc     1440
gggaggcgga ggctgcagtg agccaggatc acgccactgc actccagcct gggtgacaga     1500
gcgagactct gtttcaaaaa aaaaaaagtt gacctattc tctaaaaggg ctggctattc     1560
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tg                                                                    1622

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<210> 174

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2132626

<400> 174

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ggcatgttgg agaggctgcc cctgtgtggg aaggctttcg cagacatgat gggcaaggTg     180
gacgtctgga agtgggtgcaa cctgtccgag ttcacgtgt actatgagag tttcaccaac     240
tgcaccgaga tggaggccaa tgctgtgggc tgctactggc ccaaccccct ggcccagggc     300
ttcatcaccg gcatccacag gcagttcttc tccaactgca ccgtggacag ggtccacttg     360

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gaggaccccc cagacgaggt tctcatcccc ctgatcgtta taccgcgtgt tctgactgtc 420
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cggtagatg gagtgggtca cacctggcaa gctggaagaa agttccctgg ggatgggaga 540
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cagagcttgt gtgctgggca cagaaatcac ctgctgcata ctgtgctccg caggctgggc 780
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acaggggctc ctctgtgggt gaggggccct ctggaatggc atcccatgag cttgtggcct 1260
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<210> 175

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2280639

<400> 175

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gcgctccctc gctggcggac ggctgggcgg cgggccgggc ccggggccgc ttggaatggc 60
gcctcctccg ccttcgcccc aactgcttct cctggcagcc ctgcgcaggc tcctgggtcc 120
cagcgagggtg atggctggac cggcggagga ggcgggagcc cattgtcccg agagcctgtg 180
gcctctgcct ccgcagggtgt caccaagagt gacctacaca cgagtgcagc cagggcaggc 240
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| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| atggatctac | tgtgaaagcc | tttcagggcc | tgctccctcc | gagccaactc | ccggtagagg | 540 |
| gaggctgtgc | cgaagagggg | gtgtgcaggc | cctggctctg | gcctttgttc | tgccgactgg | 600 |
| cggccccctg | gcacagaggt | gacatctcaa | gggcccaggc | agccctcttc | tagtggtgcc | 660 |
| aagacgcgga | tgctgcgggc | tgcaacttggg | tcccagccca | ctcgctcagc | cctgaggttt | 720 |
| ccctctgctt | ccccagttag | cttgatggcc | aagcattcca | tggcgggcta | tcctgggt | 778 |

<210> 176

<211> 1477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2292356

<400> 176

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| gctgctgccg | gctgctggcc | actcccacct | cccaggcctg | gcgtgaggcc | cacagctgct | 120 |
| gttgacaaac | cctgggtcatt | gtgtgatggg | gggaggcctg | ggcctggccc | gcccctctgc | 180 |
| cagggttca | gacccctgcc | cagccccagt | atctgaagga | accacagtgg | agccaagccc | 240 |
| gcgatgtgga | gaactcaggc | ttcaggagac | cctggccctg | ctcctggcgg | ctccgggtgg | 300 |
| ctttcagctc | tctctgcaac | ctgagctggg | ggaggagcca | ggcctcatgc | ccagggtctg | 360 |
| gagtggggag | cctgggtgtgc | acgcgtgccc | aggcctgcac | gtggaccgac | caggggaggg | 420 |
| gccagagct | ctggctgggt | caccgcacc | ccgcccccat | ctcctccaga | gccaccccag | 480 |
| gaaaagcccg | gctggacgag | gtcatggctg | ccgctgccct | tacaagcctg | tcaccagcc | 540 |
| ctctccttct | gggggccccca | gttgacgcct | tcagcccaga | gcctggcctg | gagccctgga | 600 |
| aggaggccct | ggtgcggccc | ccaggcagct | acagcagcag | cagcaacagt | ggagactggg | 660 |
| gatgggacct | ggccagtgc | cagtcctctc | cgtccacccc | gtcaccacca | ctgccccctg | 720 |
| aggcagccca | ctttctgttt | ggggagccca | ccctgagaaa | aaggaagagc | ccggcccagg | 780 |
| tcattgtcca | gtgtctgtgg | aagagctgcg | ggaagggtgct | gagcacggcg | tcggcgatgc | 840 |
| agagacacat | ccgcctggtg | cacctggggg | gcggcggggc | ctgggggtgcg | gcggggcctg | 900 |
| cgggttggt | ggggttgtta | ggcccggcca | ggccaccct | tcagctccca | ctggctggct | 960 |
| gtgtctcccg | caggaggcag | gcagagcctg | agcagagtga | tggtagaggag | gacttctact | 1020 |
| acacagagct | ggatgttggt | gtggacacgc | tgaccgacgg | gctgtccagc | ctgactccag | 1080 |

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tgtcggcgcc cacggggaat attaatagct cccggggggg ggaataactt ttgaaggcag 1260
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<210> 177

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2349310

<400> 177

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cgttgtcttc tttccttcac caccaccag gagctcagag atctaagctg ctttccatct 180
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ccgttatgga taagaagatc aaggatgttc tcaacagtct agagtacagt ccctctccta 360
taagcaagaa gctctcgtgt gctagtgtca aaagccaagg cagaccgtcc tctgacctg 420
ctgggatggc tgtcactggc tgtgcttggt gctatggctg tggttcgtgg gatgttcagc 480
tgaaaccac ctgccactgc cagtgcagtg tgggtggactg gaccactgcc cgctgctgcc 540
acctgacctg acagggagga ggctgagaac tcagttttgt gaccatgaca gtaatgaaac 600
caggggccca accaagaaat ctaactcaaa cgtcccactt catttggtcc attcctgatt 660
cttgggtaat aaagacaaac tt 682

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<210> 178

<211> 1508

<212> DNA

<213> Homo sapiens

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 <222> (11)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (139)
 <223> a, c, g, t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

<400> 178
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 atacgcaaac cgcttctcnc cgcgcgttgg ccgattcatt aatcagcttg cagcacaggt 180
 ttcccgactg gaaagcgggc agtgagcgca acgcaattaa tgtgagttag ctcaactccc 240
 acccccttcc ccgcgggcct cggttcaaac gacccggtgg gtctacagcg gaagggaggg 300
 agcgaaggta ggaggcaggg cttgcctcac tggccaccct cccaaccca agagcccagc 360
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 tttggggggc ccatgaccgg cagctaccgg agcaccgccc ggactgggtct tccccggaag 540
 acaaggataa tcctagagga cgagaatgat gccatggccg acgccgaccg cctgggtgga 600
 ccagcggctg ccgagctctt ggccgccacg gtgtccaccg gctttagccg gtcgtccgcc 660
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 gaagagtgcc ccctggacac aagtctctgt actgacacca actgtgcctc tcagagcacc 1200
 accagtacca ggaccaccac tacccttcc cccaccatcc acctcagaag cagtcaccagc 1260
 ctgccacccg ccagcccctg cccagccctg gctttttgga aacgggtcag gattggcctg 1320

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gaggatattt ggaatagcct ctcttcagtg ttcacagaga tgcaaccaat agacagaaac 1380
cagaggtaat ggccacttca tccacatgag gagatgtcag tatctcaacc tctcttgccc 1440
tttcaatcct agcaccctact agatattttt agtacagaaa aacaaaactg gaaaacaaaa 1500
aaaaaaaaa 1508

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<210> 179
<211> 558
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2457682

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<400> 179
ggagaaagga tggccggcct ggcggcgcgg ttggtcctgc tagctggggc agcggcgctg 60
gcgagcggct cccagggcga ccgtgagccg gtgtaccgag actgcgtact gcagtgcgaa 120
gagcagaact gctctggggg cgctctgaat cacttccgct cccgccagcc aatctacatg 180
agtctagcag gctggacctg tcgggacgac tgtaagtatg agtgtatgtg ggtcaccggt 240
gggctctacc tccaggaagg tcacaaagtg cctcagttcc atggcaagtg gcccttctcc 300
cggttcctgt tctttcaaga gccggcatcg gccgtggcct cgtttctcaa tggcctggcc 360
agcctggtga tgctctgccg ctaccgcacc ttcgtgccag cctcctcccc catgtaccac 420
acctgtgtgg ccttcgcctg gctttctgga agatgacagc ctgtagctgc tgaaggaatc 480
agaggacaag ttcaggctgg actgaagacc cttggagcga gtcttcccca gttggggata 540
ctgccccgcg cctgctgg 558

```

```

<210> 180
<211> 502
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2480426

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<400> 180
cttgaggtct gggaggagga aagcggagcc ggcaggagc gaaccaggac tggggtgacg 60
gcagggcagg gggcgccctg ccggggagaa gcgcgggggc tggagcacca ccaactggag 120
ggtcgggagt agcgagcgcc ccgaaggagg ccatcgggga gccgggaggg gggactgcga 180
gaggaccccg gcgtccgggc tcccggtgcc agcgctatga ggccactcct cgtcctgctg 240

```

```

ctcctggggc tggcgggcgg ctgccccca ctggacgaca acaagatccc cagcctctgc      300
ccgggactgc cgggacctcg aggggacccc gggccgcgag gagaggcggg acccgcgggg      360
cccaccgggc tagccgggga gtgctcgggtg cctccgcgat ccgccttcag cgccaagcgc      420
tccgagatcc ggggtgcctcc gctgtctgac gcacccttgc cttcgaccgc gtgctggtga      480
acgagcaagg acattacgac gc                                          502

```

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<210> 181
<211> 1659
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2503743

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<400> 181
gctgtgcggc ggggcaggca tgggagccgc gcgctctctc ccggcgccca cacctgtctg      60
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agggattcca gggctcctct tccttctctt ctttctgctc tgtgctgttg ggcaagtgag      180
cccttacagt gccccctgga aaccacttg gcctgcatac cgcctccctg tcgtcttgcc      240
ccagtctacc ctcaatttag ccaagccaga ctttgagacc gaagccaaat tagaagtatc      300
ttcttcatgt ggacccagt gtcataaggg aactccactg cccacttacg aagaggccaa      360
gcaatatctg tcttatgaaa cgctctatgc caatggcagc cgcacagaga cgcagggtgg      420
catctacatc ctcagcagta gtggagatgg ggcccaacac cgagactcag ggtcttcagg      480
aaagtctcga aggaagcggc agatttatgg ctatgacagc aggttcagca tttttgggaa      540
ggacttcctg ctcaactacc ctttctcaac atcagtgaag ttatccacgg gctgcaccgg      600
cacctgggtg gcagagaagc atgtcctcac agctgccac tgcatacacg atggaaaaac      660
ctatgtgaaa ggaaccaga agcttcgagt gggcttccta aagcccaagt ttaaagatgg      720
tggtcgaggg gccaacgact ccacttcagc catgcccagc cagatgaaat ttcagtggat      780
ccgggtgaaa cgcacccatg tgcccaaggg ttggatcaag ggcaatgcca atgacatcgg      840
catggattat gattatgccc tcctggaact caaaaagccc cacaagagaa aatttatgaa      900
gattgggggtg agccctcctg ctaagcagct gccagggggc agaattcact tctctggtta      960
tgacaatgac cgaccaggca atttggtgta tcgcttctgt gacgtcaaag acgagacctg     1020
tgacttgctc taccagcaat gcgatgcccc gccagggggc agcgggtctg gggctctatgt     1080

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```

gaggatgtgg aagagacagc agcagaagtg ggagcgaaaa attattggca ttttttcagg 1140
gcaccagtgg gtggacatga atgggtcccc acaggatttc aacgtggctg tcagaatcac 1200
tcctctcaaa tatgcccaga tttgctattg gattaaagga aactacctgg attgtaggga 1260
ggggtgacac agtgttccct cctggcagca attaagggtc ttcattgttct tatttttagga 1320
gaggccaaat tgttttttgt cattggcgtg cacacgtgtg tgtgtgtgtg tgtgtgtgtg 1380
taagggtgtct tataatcttt tacctatttc ttacaattgc aagatgactg gctttactat 1440
ttgaaaactg gtttgtgtat catatcatat atcattttaag cagtttgaag gcatactttt 1500
gcatagaaat aaaaaaata ctgatttggg gcaatgagga atatttgaca attaagttaa 1560
tcttcacgtt tttgcaaact ttgattttta tttcatctga acttgtttca aagatttata 1620
ttaaatattt ggcatacaag agatatgaaa aaaaaaaaaa 1659

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<210> 182

<211> 2015

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2537684

<400> 182

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cccagcactc ggtgtggaaa ggcccctacc tgctgtaaga ttatgggtcc atgaaagcag 120
taagctggac acagaggtgt agtgtgcggg acagagggcc ttgcagatgc ctttctgttg 180
gtgttttagt gttaaaatac ggagagtatg gaactcttca cctccatttt ctccagcggt 240
gtgaagcagc ctctagctt cggaagtacg gacactacgt cgcgttttca agcgtgtctg 300
ttctgcaggt aacagcatca agctgcacgt ggaagcatct cgcggttttc tagaaacagg 360
cattttctta tccctctccc gctccttttt ccacaaaggt gaatttcata aatgtaatac 420
tagtaaagtg aatgaattac tgagtttata cagaaattta ggtaacttct ccttttagtct 480
caagagcgag tcttgctttt taatgggtgc cgtttatgtt gctgcccgcc ctgtgtgcct 540
ggctcctctg ggtgccttgg tgtctgctgg tggctggcag tgggcgcagc ggaggagagt 600
tgtgctgcag ctcatcgggt gtgtctgtca tctcagtctg gagtaaatgc agtgtctgcc 660
ggtgtctgat gggttctgtc cctcgtattt tctttgcctt ctatccatt gcctggctac 720
cgctgcctgg cagccaaggg tgttggctgc gaagctggga gtggcctctg gtggagcctg 780
catcttgtct cgtctgcctc tgctttacat ttggtgtact ttcgggcgtg gtggcagtaa 840

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```

aatgacaccg tgattgagct tgtcagcaga gctgaaagag aaagtagaag gatgtgcatt      900
gtttcttgta agatatcttg catgtatctg tgtattcaaa ttcaaacaga gatgggttgt      960
ccatttgccc actgagaaat tataaactag ggacaagggg gaggaaaagt actgaaatac     1020
agtttatgaa gcaagtgtgt ctcggtgtgt gcttgtccca ggagccccag cagcatctga     1080
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aatagtacag agatgtggct gtgtctagta caacttttag acacagaaat ctgaatgaca     1260
tatattgttc tgtgtcaaga aacttagatt ttttttttaa ctatttaaaa acgtgaaacc     1320
tattcttagc tcacaggcca tggagaagct ggtggggacc agaccagct ccttagctgg      1380
ctgggctggg gagggggcag tgacagtggc agctgctact cactgctcag tgtggaaaac     1440
acaggacttg gcaatcacag cccgcagAAC catcatgtgt ggcagaagcc tgagggatgc      1500
ggtttcttgc ccacgtgctc tgttcatttt ctgttgtttt tctgcactta aagaattcac     1560
atggaagcat gttttataaa atgaattacc agagaaacag agatgggccg agattctcag     1620
aaatggtccc atgtgaccaa gttctgctgt ttgggtgaca gtgctttgaa gatctccttt     1680
gaggatgtgc agtctttttt tttttttttt tttgagatgg agtttgttgc ccaggctgga     1740
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gccgcagcct cccaagtagc tgggactaca ggcatgcgcc accacgccag gctaattttt     1860
gtatttttag tagagatggg gtttcacat gtctcaaact cctgacctca ggcgatccac     1920
ccacctcagc gtcccaaagt gctggggata taggggtgac caccgcacc tgcgccaaga     1980
gtgggctttt aattagggac aaatccaatg gaagg                                     2015

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<210> 183

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2593853

<400> 183

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ctgctttcgt gaagacaaga tgaagtccac aattgtcttt gctggacttc ttggagtctt      60
tctagctcct gccctagcta actataatat caacgtcaat gatgacaaca acaatgctgg     120
aagtgggcag cagtcagtga gtgtcaacaa tgaacacaat gtggccaatg ttgacaataa     180

```

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caacggatgg gactcctgga attccatctg ggattatgga aatggctttg ctgcaaccag      240
actctttcaa aagaagacat gcattgtgca caaaatgaac aaggaagtca tgccctccat      300
tcaatccctt gatgcactgg tcaaggaaaa gaagcttcag ggtaagggac caggaggacc      360
acctcccaag ggctgatgt actcagtcaa cccaaacaaa gtcgatgacc tgagcaagtt      420
cggaaaaaac attgcaaaca tgtgtcgtgg gattccaaca tacatggctg aggagatgca      480
agaggcaagc ctgttttttt actcaggaac gtgctacacg accagtgtac tatggattgt      540
ggacatttcc ttctgtggag acacgggtgga gaactaaaca atttttttaa gccactatgg      600
atttagtcat ctgaatatgc tgtgcagaaa aaatatgggc tccagtgggt tttaccatgt      660
cattctgaaa tttttctcta ctagttatgt ttgatttctt taagtttcaa taaaatcatt      720
tagcattgaa aaaaaaaaaa                                     740

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<210> 184

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2622354

<400> 184

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atgctgtgcc agccacacaa gagatgtggg gacaagttct acgacccctt gcagcactgt      180
tgctatgatg atgccgtcgt gcccttggcc aggaccaga cgtgtggaaa ctgcaccttc      240
agagtctgct ttgagcagtg ctgcccctgg accttcattg tgaagctgat aaaccagaac      300
tgcgactcag cccggacctc ggatgacagg ctttgtcgca gtgtcagcta atggaacatc      360
aggggaacga tgactcctgg attctccttc ctgggtgggc ctggagaaag aggtctggtg      420
tacctgagat ctgggatgct gagggtgtgt ttgggggcca gagaaacaca cactcaactg      480
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ggcccccttc tagaattctg gacagcatga gatgcgtgtg ctgatggggg cccagggact      600
ctgaaccttc ctgatgacct ctatggccaa catcaacctg gcaccacccc aaggctggct      660
gggaaccttc cacccttctg tgagattttc catcatctca agttctcttc tatccaggag      720
caaagcacag gatcataata aatttatg                                     748

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<210> 185
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

<400> 185
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 aatctgattg gctcagttcg ccagataact caactttccc attggctacc tttgggtcag 180
 gtgatctcca ctagacctat cgcctatgcc tgatggtggg tcacatggtg caaatgttgc 240
 ctgagagctt agtggattag ggatgtggct gggctcatgg ttgacgtccc tgctgctgag 300
 cccttacggg tcaggctggg agaagggtacc atgttgtgtg actggtcatt tgagggtcttg 360
 cagctgttgc ttgctgggct tggcagggtg tcaaagtac catttttctg aagggttttt 420
 ttctgagtat tcctcagatg tactcccctg gggccgacgg tctttccttc cacagggcga 480
 tgcttcctta cttgcttgtg aatgtttcct tcactctccag gttgtctggg gacaattctg 540
 tcttttgag gcctgggcag gatttacaga gggctccatg ccagctcctt cctgccgggt 600
 ccacttctgg tgtagggtaa acacctgcgc attcatgtcc tagtgttg 648

<210> 186
 <211> 2110
 <212> DNA
 <213> Homo sapiens

<220>
 <221> modified_base
 <222> (1932)
 <223> a, c, g, t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2674857

<400> 186
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 ctgcttcctg ccgaggctgg ccagggcagc cgcgcttcga aggacgccgc cgggagctgc 180
 ggacatgcgt ggagtggcag tgctaacggc tgggtgtctg cactgttggc ctgtgaaggt 240
 acgtgaagct gaaagcctgg aatggctgga aagggtcat caggcaggcg gccctgctg 300

| | | | | | | |
|------------|-------------|-------------|-------------|------------|-------------|------|
| ctggggctgc | tggtggccgt | agccactgtc | cacctgggtca | tctgtcccta | caccaaagtg | 360 |
| gaggagagct | tcaacctgca | ggccacacat | gacctgctct | accactggca | agacctggag | 420 |
| cagtacgacc | atcttgagtt | ccccggagtc | gtccccagga | cgttcctcgg | gccagtgggtg | 480 |
| atcgcagtgt | tctccagccc | cgcggtttac | gtgctttcgc | tgtagaaat | gtccaagttt | 540 |
| tactctcagc | taatagttag | aggagtgctt | ggactcggcg | tgatttttgg | actctggacg | 600 |
| ttacaaaagg | aagtgagacg | gcacttcggg | gccatgggtg | ccaccatgtt | ctgctgggtg | 660 |
| acggccatgc | agttccacct | gatgtttctac | tgacgcgga | cactgcccac | tgtgctggcc | 720 |
| ctgcctgtag | tcctgctggc | cctcgcggcc | tggctgcggc | acgagtgggc | ccgcttcac | 780 |
| tggctgtcag | ccttcgccat | catcgtgttc | aggggtggagc | tgtgcctgtt | cctgggcctc | 840 |
| ctgctgctgc | tggccttggg | caaccgaaag | gtttctgtag | tcagagccct | tcgccacgcc | 900 |
| gtcccggcag | ggatcctctg | tttaggactg | acggttgctg | tggactctta | tttttggcgg | 960 |
| cagctcactt | ggccggaagg | aaaggtgctt | tggtacaaca | ctgtcctgaa | caaaagctcc | 1020 |
| aactggggga | cctccccgct | gctgtggtac | ttctactcag | ccctgccccg | cggcctgggc | 1080 |
| tgcagcctgc | tcttcatccc | cctgggcttg | gtagacagaa | ggacgcacgc | gccgacgggtg | 1140 |
| ctggcactgg | gcttcatggc | actctactcc | ctcctgccac | acaaggagct | acgcttcac | 1200 |
| atctatgcct | tccccatgct | caacatcacg | gctgccagag | gctgctccta | cctgctgaat | 1260 |
| aactataaaa | agtcttggct | gtacaaagcg | gggtctctgc | ttgtgatcgg | acacctcgtg | 1320 |
| gtgaatgccg | cctactcagc | cacggccctg | tatgtgtccc | atttcaacta | cccagggtggc | 1380 |
| gtcgcaatgc | agaggctgca | ccagctgggtg | ccccccaga | cagacgtcct | tctgcacatt | 1440 |
| gacgtggcag | cgcccagac | aggtgtgtct | cggtttctcc | aagtcaacag | cgcttggagg | 1500 |
| tacgacaaga | gggaggatgt | gcagccgggg | acaggcatgc | tggcatacac | acacatcctc | 1560 |
| atggaggcgg | cccctgggct | cctggccctc | tacagggaca | cacaccgggt | cctggccagc | 1620 |
| gtcgtgggga | ccacaggtgt | gagtcctgaac | ctgacccaac | tgccccctt | caacgtccac | 1680 |
| ctgcagacaa | agctggtgct | tctggagagg | ctccccggc | cgtcctgagg | gggaccaggc | 1740 |
| agccctcagc | agccacaggc | cttccaggag | ctgttatcac | taccagtttc | tggcacaatt | 1800 |
| ccagcacaat | tatgacaatt | cagagaagca | agtcaaagga | ctggggcacc | tgccctctgac | 1860 |
| agacaccaga | ccagggtccag | ggcctcctcc | cacagcctca | gctgggggct | cttcagcaac | 1920 |
| caaagaacga | anggggcccc | aagttctttg | tttgggcacc | ccccggggta | agcccacttg | 1980 |
| cccccaaggg | tttgatgggg | ttggggccag | cttccagggg | ctttcccttg | gccgggggtt | 2040 |

gacttggtcc ggccccagga ttcaagggtt ggccaattt cccattgaac ttaaatttcc 2100
 agggaaaggc 2110

<210> 187
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2758485

<400> 187
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 cctctgcctg gccgcggctc tgggaagtgc gcagtccggg tcgtgtaggg ataaaaagaa 180
 ctgtaagggtg gtcttttccc agcaggaact gaggaagcgg ctaacacccc tgcagtacca 240
 tgtcactcag gagaaaggga ccgaaagtgc ctttgaagga gaatacacac atcacaaaga 300
 tcctggaata tataaatgtg ttgtttgtgg aactccattg ttttaagtcag aaaccaaatt 360
 tgactccggt tcagggttggc cttcattcca cgatgtgatc aattctgagg caatcacatt 420
 cacagatgac ttttcctatg ggatgcacag ggtggaaaca agctgctctc agtgtggtgc 480
 tcaccttggg cacatTTTTg atgatgggcc tcgtccaact gggaaaagat actgcataaa 540
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 ggtcgccagc ccggcccagg cagacaaagc ggactctgag agtaatggag agtgatggaa 660
 acaaagtgtg cttaatgcac agcttattaa aaagatcaaa attgttatcc taatagatat 720
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<210> 188
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2763296

<400> 188
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 aagcctctgg ggggtgatcc tgaaagggtg tccagccgcc tggccctgcg tgggaccctc 120
 cacctggcag caggtggtga cttccaagag tgactccgtc ggaggaaaat gactccccag 180

| | |
|---|-----|
| tcgctgctgc agacgacact gttcctgctg agtctgctct tcctgggtcca aggtgcccac | 240 |
| ggcagggggcc acaggggaaga ctttcgcttc tgcagccagc ggaaccagac acacaggagc | 300 |
| agcctccact actactggtc catgcggctg caggcccggtg gtggcccctc ccctctgaag | 360 |
| agcaactcag acagcgccag gctccccatc agctcgggca gcacctcgtc cagccgcatc | 420 |
| taggcctcca gccacactgc ccatgtaatg aagcagagat gcggcctcgt cgcacactgc | 480 |
| ctgtagcccc cgaaccggc ccagccccag gccagtaagc cgcagacttt agaaagccca | 540 |
| acgaccatgg agagatgggc cgttgccatg gtggacggac tcccggtggtg ggcttttgag | 600 |
| attggcttag gggctactcg gctctcactc agctcccacg ggactcaaga atgcggcgcc | 660 |
| atgctgcctt aggtactgtc cccacatctg tcccaacca gctggaggcc tgggt | 714 |

<210> 189

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2779436

<400> 189

| | |
|---|-----|
| cggccagggc gccgacagcc cgacctcacc aggagaacat gcagctcggc actgggctcc | 60 |
| tgctggccgc cgtcctgagc ctgcagctgg ctgcagccga agccatatgg tgtcaccagt | 120 |
| gcacgggctt cggaggggtg tcccatggat ccagatgcct gagggactcc acccactgtg | 180 |
| tcaccactgc caccgggtc ctcagcaaca ccgaggattt gcctctggtc accaagatgt | 240 |
| gccacatagg ctgccccgat atccccagcc tgggcctggg ccctacgta tccatcgctt | 300 |
| gctgccagac cagcctctgc aaccatgaact gacggctgcc ctctccagg cccccggacg | 360 |
| ctcagcccc acagccccca cagcctggcg ccagggtca cggccgcccc tcctcgaga | 420 |
| ctggccagcc cacctctccc ggctctgca gccaccgtcc agcaccgctt gtcctagga | 480 |
| agtctgcgt ggagtcttgc ctcaatctgc tgccgtccaa gcctggggcc catcgctgct | 540 |
| gccgcccctt cagggtccga cctccccaca ataaaatgtg attggatcgt gtggtacaaa | 600 |
| aaaaaaaaac | 609 |

<210> 190

<211> 1088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2808528

<400> 190

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tgtagaagac agcggcggtg ccatggcggc gtctctgggg caggtgttgg ctctgggtgct      60
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gcgggttcat gagccgacct gggcccagca gttgctacag gagatgaaga ccctcttctt      180
gaatactgag tacctgatgc cctttctcct caaccagtgt ggatcccttc tctattacct      240
caccttggca tcgacagatc tgaccctggc tgtgcccata tgtaactctc tggctatcat      300
cttcacactg attgttggga aggcccttgg agaagatatt ggtggaaaac gagcagttgc      360
tggcatggtg ctcaccgtga taggaatttc actctgcata acaagctcag tgagtaagac      420
ccaggggcaa cagtctaccc tttagagtgg ccgaaccac ttccagctct gctgcctcca      480
ggaagcccct gggccatgaa gtgctggcag tgagcggatg gacctagcac ttccccctctc      540
tggccttagc ttctcctctc cttatgggga taacagctac ctcatggatc acaataagag      600
aacaagagtg aaagagtttt gtaaccttca agtgctgttc agctgcgggg atttagcaca      660
ggagactcta cgctcacccct cagcaacctt tctgccccag cagctctctt cctgctaaca      720
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gttccatgga ctgcagaact ccagctgcat ggaaagggcc agctgcagac tttagaccag      840
aaatgcaaac gggaggcctc tgggactcag tcagagcgct ttggctgaat gaggggtgga      900
accgagggaa gaaggtgcgt cggagtggca gatgcaggaa atgagctgtc tattagcctt      960
gcctgccccca ccatgaggt aggcagaaat cctcactgcc agccccctct aaacaggtag     1020
agagctgtga gccccagccc cacctgactc cagcacacct ggcgagtagt agctgtcaat     1080
aaagctat                                     1088

```

<210> 191

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2809230

<400> 191

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gcgggacttc ctgtgtcgta tttccaagga ctccaaagcg aggccgggga ctgaaggtgt      60
gggtgtcgag ccctctggca gagggttaac ctgggtcaaa tgcacggatt ctcacctcgt      120

```



```

acagttacgc tctcccgcgg cacgtccgcg aggacttgaa gtcctgagcg ctcaagtttg 180
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agagcattgt gcctatttcc ccgagtcctt gctgccgaag ctgtgactgc cgattcggaa 300
gtccttgagg agcgtcagaa ggggcttccc tacgtcccag agccctatta cccggaatct 360
ggatgggacc gcctccggga gctgtttggc aaagatgaac agcagagaat ttcaaaggac 420
cttgctaata tctgtaagac ggcagctaca gcaggcatca ttggctgggt gtatggggga 480
ataccagctt ttattcatgc taaacaacaa tacattgagc agagccaggc agaaatttat 540
cataaccggt ttgatgctgt gcaatctgca catcgtgctg ccacacgagg cttcattcgt 600
tatggctggc gctgggggtg gagaactgca gtgtttgtca ctatattcaa cacagtgaac 660
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gtcacgggaa gtcttttttag gataaacgta ggccctgcgtg gcctggtggc tgggtggcata 780
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tttttctttt ctttttaact aagaatgggg ctgttgtact ctcactttac ttatccttaa 1260
atttaaatac atacttatgt ttgtattaat ctatcaatat atgcatacat gaatatatcc 1320
accacctag attttaagca gtaaataaaa catttcgcaa aagattaataa aaaaaaa 1377

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<210> 192

<211> 985

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2816821

<400> 192

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gcgggcccgc gagtccgaga cctgtcccag gagctccagc tcacgtgacc tgtcactgcc 60
tcccgcgcc tccgtcccgc gccatgacct agccggtgcc ccggctctcc gtgcccgccg 120
cgctggccct gggtcagcc gcactgggag ccgccttcgc cactggcctc ttccctggga 180

```

```

ggcgggtgccc cccatggcga ggccggcgag agcagtgcct gcttcccccc gaggacagcc 240
gcctgtggca gtatcttctg agccgctcca tgcgggagca cccggcgctg cgaagcctga 300
ggctgctgac cctggagcag ccgcaggggg attctatgat gacctgcgag caggcccagc 360
tcttggccaa cctggcgcgg ctcatccagg ccaagaaggc gctggacctg ggcaccttca 420
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gcgaggtgga cgcgagccc ccggagctgg gacggcccct gtggaggcag gccgaggcgg 540
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cgggcgaggc cggcaccttc gacgtggcgg tgggtgatgc ggacaaggag aactgctccg 660
cctactacga gcgctgcctg cagctgctgc gaccggagg catcctcgcc gtcctcagag 720
tcctgtggcg cggaaggtg ctgcaacctc cgaaagggga cgtggcggcc gagtgtgtgc 780
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gagggttgcc tgggaacccc aggaattgac cctgagtttt aaattcgaaa ataaagtggg 960
gctgggacac acgaaaaaaaa aaaaa 985

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<210> 193

<211> 1310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2817268

<400> 193

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cccacgcgtc cgggttcacg taaagacagc gagatcctga gggccagccg ggaaggaggc 60
gtggatatgg agctggctgc tgccaagtcc ggggcccgcg ccgctgccta gcgcgtcctg 120
gggactctgt ggggacgcgc ccgcgcgcgc ggctcgggga ccgtagagc ccggcgctgc 180
gcgcatggcc ctgctctcgc gcccgcgct caccctcctg ctccctcctca tggccgctgt 240
tgtcagggtc caggagcagg ccagaccac cgactggaga gccaccctga agaccatccg 300
gaacggcggt cataagatag acacgtacct gaacgccgcc ttggacctcc tgggaggcga 360
ggacggtctc tgccagtata aatgcagtga cggatctaag cctttccac gttatggtta 420
taaaccctcc ccaccgaatg gatgtggctc tccactgttt ggtgttcata ttaacattgg 480
tatcccttcc ctgacaaagt gttgcaacca acacgacagg tgctatgaaa cctgtggcaa 540

```

```

aagcaagaat gactgtgatg aagaattcca gtattgcctc tccaagatct gccgagatgt      600
acagaaaaca ctaggactaa ctacagcatgt tcaggcatgt gaaacaacag tggagctctt      660
gtttgacagt gttatacatt taggttgtaa accatatctg gacagccaac gagccgcatg      720
caggtgtcat tatgaagaaa aaactgatct tttaaaggaga tgccgacagc tagtgacaga      780
tgaagatgga agaacataac ctttgacaaa taactaatgt ttttacaaca taaaactgtc      840
ttatTTTTgt gaaaggatta ttttgagacc ttaaaataat ttatatcttg atgttaaaac      900
ctcaaagcaa aaaaagtgag ggagatagtg aggggagggc acgcttgtct tctcaggtat      960
cttccccagc attgctccct tacttagtat gccaaatgtc ttgaccaata tcaaaaacaa     1020
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catttatgcc tagaagggaac ggactttttt tttctatttt aattacacat aatatgtaat     1260
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<210> 194

<211> 914

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2923165

<400> 194

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gagctttctt ctggttggtg tctctactga tttcgtccct tgtttggttc atggcaagag     180
tcattattga caacaaagat ggaccaacac agaaatatct gctgatcttt ggagcgtttg     240
tctctgtcta tatccaagaa atgttccgat ttgcatatta taaactctta aaaaaagcca     300
gtgaagggtt gaagagtata aaccaggtg agacagcacc ctctatgcga ctgctggcct     360
atgtttcttg cttgggcttt ggaatcatga gtggagtatt ttcctttgtg aataccctat     420
ctgactcctt ggggccaggc acagtgggca ttcattggaga ttctcctcaa ttcttccttt     480
attcagcttt catgacgctg gtcattatct tgctgcatgt attctggggc attgtatttt     540
ttgatggctg tgagaagaaa aagtggggca tcctccttat cgttctcttg acccacctgc     600
tggtgtcagc ccagaccttc ataagttctt attatggaat aaacctggcg tcagcattta     660

```

```

taatcctggg gctcatgggc acctgggcat tcttagctgc gggaggcagc tgccgaagcc 720
tgaaactctg cctgctctgc caagacaaga actttcttct ttacaaccag cgctccagat 780
aacctcaggg aaccagcact tcccaaaccg cagactacat ctttagagga agcacaactg 840
tgcctttttc tgaaaatccc tttttctggt ggaattgaga aagaaataaa actatgcaga 900
tatgaaaaaa aaaa 914

```

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<210> 195
<211> 606
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte Clone No: 2949822

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<400> 195
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ttcttgcttt atattagcca gaatgtcata tagtatattg accagtagct atgggtgggtgg 180
cgtttttatc ttattggact taaaaagaaa tacatcaaaa gtttctccat taatgatgat 240
gtttgctata gggcattgat agatagcctt caaaaagtta agaaagttct tttctttcta 300
gtcttcaagg ttaaaaagtt tttaaagatc ttaattgaat gtgaacttta tcaaattgcct 360
ttgtgatgtc tatggagata atcatgtatt tgcttcttta atacattcct gtggtgaaat 420
atgtgaataa gtgttctgat attgaattat ctttgcattt ctagaataag ccctaataag 480
tactattcaa ggtatttttc tcaaacacct gattggactc tgtaagctca tatttcattg 540
agtggatttc cttctatggt tgtcagtgca attgcgctat aattcgcggt gctgtcctca 600
tctgaa 606

```

```

<210> 196
<211> 893
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2992192

```

```

<400> 196
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agccgtgctg cggccccctg tcacctgccg gccctgcaa ggcacgacgc tgcaacggga 120

```

```

tgtgctgctc tttgagcatg atcggggccg cttcttcacc atcctcgggc tgttctgctc 180
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ggtgcagcct ctggatgcgg aggtcccaaa tcgtggcccc ttcgacctgc gctccgcgct 300
ctggcgctac ggtctggccg tcggctgcgg cgccatcgga gccctcgtac tcggtgctgg 360
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gacctcacc actcatgccc cctttggctt gggggcccat ttcacagttc ctttgaagca 480
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caatactgtg ggtgcctacc ggagcttgtg aagaaatgac ctcaagtcac tcacctctcc 660
aagaggagga taaaaactga accttgggga gccaggtgtg ttggttcaca cctgttgtaa 720
tcccagcact ttgggagggg gaggcaggag cactgctcga gcccaggctg ggcaacatag 780
cgagaccttg tctctattta caaaaaaaaa aaaaaaaaaa aacgccaatc ttagaatgga 840
gtaacaacca gggtcacaca aggaggtcaa gattcattaa caacaaataa agg 893

```

<210> 197

<211> 1730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2992458

<400> 197

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ggccagaggc tgcccggctc ccggaagcag gctgtgaggg gcgggagcgc tgctggaacc 60
cgagccggag ccggagccac agcggggagg gtggcctggc ggctgggagc cggacgtgtc 120
cggggcgctc ccgcagaccg gggcagcagg tcgtccgggg gccaccatg ctggtgactg 180
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gggctaaacc ccctggaagg gcctgcagca atccctcctt ccttcggttt caactggact 300
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agaattcttg tgtcctcttc tccctgactt actcactatg ctgcttaacc aaactctctc 540
aagactactt tgtgctgcta gtggggcgag cacttgggtg gctgtccaca gccctgctct 600

```

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| tctcagcctt | cgaggcctgg | tatatccatg | agcacgtgga | acggcatgac | ttccctgctg | 660 |
| agtggatccc | agctaccttt | gctcgagctg | ccttctggaa | ccatgtgctg | gctgtagtgg | 720 |
| caggtgtggc | agctgaggct | gtagccagct | ggatagggct | ggggcctgta | gcgccctttg | 780 |
| tggctgccat | ccctctcctg | gctctggcag | gggccttggc | ccttcgaaac | tggggggaga | 840 |
| actatgaccg | gcagcgtgcc | ttctcaagga | cctgtgctgg | aggcctgcgc | tgccctcctgt | 900 |
| cggaccgccg | cgtgctgctg | ttgggcacca | tacaagctct | at ttgagagt | gtcatcttca | 960 |
| tctttgtctt | cctctggaca | cctgtgctgg | accacacagg | ggccctctg | ggcattatct | 1020 |
| tctccagctt | catggcagcc | agcctgcttg | gctcttcctt | gtaccgtatc | gccacctcca | 1080 |
| agaggtacca | ccttcagccc | atgcacctgc | tgtcccttgc | tgtgctcatc | gtcgtcttct | 1140 |
| ctctcttcat | gttgactttc | tctaccagcc | caggccagga | gagtcgggtg | gagtccttca | 1200 |
| tagcctttct | acttattgag | ttggcttgtg | gattatactt | tcccagcatg | agcttcctac | 1260 |
| ggagaaaggt | gatccctgag | acagagcagg | ctggtgtact | caactggttc | cgggtacctc | 1320 |
| tgcactcact | ggcttgccca | gggctccttg | tcctccatga | cagtgatcga | aaaacaggca | 1380 |
| ctcggaatat | gttcagcatt | tgctctgctg | tcatggtgat | ggctctgctg | gcagtgggtg | 1440 |
| gactcttcac | cgtggtaagg | catgatgctg | agctgcgggt | accttcacct | actgaggagc | 1500 |
| cctatgcccc | tgagctgtaa | ccccactcca | ggacaagata | gctgggacag | actcttgaat | 1560 |
| tccagctatc | cgggattgta | cagatctctc | tgtgactgac | tttgtgactg | tcctgtgggt | 1620 |
| tctcctgcca | ttgctttgtg | tttgggagga | catgatgggg | gtgatggact | ggaaagaagg | 1680 |
| tgccaaaagt | tcctctgtg | ttactcccat | ttagaaaata | aacactttta | | 1730 |

<210> 198

<211> 2029

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3044710

<400> 198

| | | | | | | |
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| ccttgacaag | tcagaagctt | gaaagcaggg | aaatccggat | gtctcggtta | tgaagtggag | 60 |
| cagtgagtgt | gagcctcaac | atagttccag | aactctccat | ccggactagt | tattgagcat | 120 |
| ctgcctctca | tatcaccagt | ggccatctga | ggtgtttccc | tggctctgaa | ggggtaggca | 180 |
| cgatggccag | gtgcttcagc | ctgggtgttg | ttctcacttc | catctggacc | acgaggctcc | 240 |
| tggccaagg | ctctttgcgt | gcagaagagc | tttccatcca | ggtgtcatgc | agaattatgg | 300 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| ggatcacccct | tgtgagcaaa | aaggcgaacc | agcagctgaa | tttcacagaa | gctaaggagg | 360 |
| cctgtaggct | gctgggacta | agtttgccg | gcaaggacca | agttgaaaca | gccttgaaag | 420 |
| ctagctttga | aacttgcagc | tatggctggg | ttggagatgg | attcgtggtc | atctctagga | 480 |
| ttagcccaaa | ccccaaagtgt | gggaaaaatg | gggtgggtgt | cctgatttgg | aaggttccag | 540 |
| tgagccgaca | gtttgcagcc | tattgttaca | actcatctga | tacttggact | aactcgtgca | 600 |
| ttccagaaat | tatcaccacc | aaagatccca | tattcaacac | tcaaactgca | acacaaacaa | 660 |
| cagaatttat | tgtcagtgac | agtacctact | cggtggcatc | cccttactct | acaataacctg | 720 |
| cccctactac | tactcctcct | gctccagctt | ccacttctat | tccacggaga | aaaaaattga | 780 |
| tttgtgtcac | agaagttttt | atggaaacta | gcaccatgtc | tacagaaact | gaaccatttg | 840 |
| ttgaaaataa | agcagcattc | aagaatgaag | ctgctgggtt | tggagggtgc | cccacggctc | 900 |
| tgctagtgt | tgctctcctc | ttctttggtg | ctgcagctgg | tcttggatth | tgctatgtca | 960 |
| aaaggatatgt | gaaggccttc | cctttttaca | acaagaatca | gcagaaggaa | atgatcgaaa | 1020 |
| ccaaagtagt | aaaggaggag | aaggccaatg | atagcaaccc | taatgaggaa | tcaaagaaaa | 1080 |
| ctgataaaaa | cccagaagag | tccaagagtc | caagcaaac | taccgtgcga | tgccctggaag | 1140 |
| ctgaagttha | gatgagacag | aaatgaggag | acacacctga | ggctggtttc | tttcatgctc | 1200 |
| cttaccctgc | cccagctggg | gaaatcaaaa | gggccaaaga | accaaagaag | aaagtccacc | 1260 |
| cttggttcct | aactggaatc | agctcaggac | tgccattgga | ctatggagtg | caccaaagag | 1320 |
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| cacggccttt | ctagcctggc | tatgtcctaa | taatatccca | ctgggagaaa | ggagttttgc | 1440 |
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| ctgaggctag | gtgggttgaa | agccaaggag | tactgagac | caaggctttc | tctactgatt | 1560 |
| ccgcagctca | gaccttttct | tcagctctga | aagagaaaca | cgtatcccac | ctgacatgtc | 1620 |
| cttctgagcc | cggtaagagc | aaaagaatgg | cagaaaagtt | tagccctga | aagccatgga | 1680 |
| gatttctata | acttgagacc | taatctctgt | aaagctaaaa | taaagaaata | gaacaaggct | 1740 |
| gaggatacga | cagtacactg | tcagcagggg | ctgtaaacac | agacaggggc | aaagtgtttt | 1800 |
| ctctgaacac | attgagttgg | aatcactgtt | tagaacacac | acacttactt | tttctggctc | 1860 |
| ctaccactgc | tgatattttc | tctaggaaat | atacttttac | aagtaacaaa | aataaaaaact | 1920 |
| cttataaatt | tctattttta | tctgagttac | agaaatgatt | actaaggaag | attactcagt | 1980 |
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 cgggcgcggt agctcacgcc tggaatccca gactgtggg aggccgaggc gggcggatcg 420
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<212> DNA

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<223> Incyte Clone No: 1236935

<400> 203

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atccttttct ttaaaacat tgcttcatct gggagtgggtg gttcatgcct tggcctccca     180
aagtgtctggg attacaggcg tgagcaccgc gcccgccaa ctatagtgtt ttcaaacat      240
gtgtacacat actctatgag gatgcaaatt gagatttcaa caaatatttc tcagtgaact     300

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acataaaagcc gtgctttatc ttggcgctta gatgaatttt gtttggttgg ttttggtttt 360
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<211> 432

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 1359283

<400> 204

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<211> 971

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 1450703

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<210> 207

<211> 567

<212> DNA

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gagcttcgtc ggccccggga atttatttcc cggaccggta ccttgcaggg gggtccaagc      540
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<210> 208

<211> 1303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1961637

<400> 208

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<211> 1355

<212> DNA

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<223> Incyte Clone No: 1990762

<400> 209

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<210> 210

<211> 776

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<400> 210

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caccacgca aactacgcc gccgacagaa acatctgcaa agatacagtc tgactcagtg     420
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ttaatttgtg tcatcccatc agcaatgaag gtccctatcc agggtcctgc ttggagcagc     540
atttcatgtt cttttgctgt tttgtgcttt gccgattttg gattttattt ttcacaaaat     600
ttttatttaa aaaactcgtc accttttgga aatgccatt gccgacttga atttttttgt     660
atggagtccc cctgattttg tgtgtgtgtg tctgtgttta agcacgcgtt cggttggtat     720
agttttttat atgtattttt acattaaatt gaaggtagct gcctcctgga aagcag       776

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<210> 211
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

<400> 211
 ggaggcggtta gaggagctgc cttcggaggc tcagggagtc cctttggagc tggttgtttc 60
 cttggccctg cagcgcaactg ctcggggctc ccaaggaggt tgtgtgtatg gttcttaatt 120
 catcaggaca aagacccccca gcatgtgtgt accctgggac ccgattttctc tgggcccaca 180
 tctatctcca atacctcagc ctcaagatcag accctttctt ttttgtcttt cttctcttaa 240
 tttttaaatg cctcttttct tgagcattcc atctctcttt ttgaccctct caggactggg 300
 cttagctgtc cagagccctg ccggaggggtg ctgggggctg tccctctgca ggcactgtgt 360
 tttcctcagg ggctgtcctc agaacacccc tcctgctccc tggggctcct caggagacca 420
 tttcagctgg agtctcaggt ctcaaaaaca acttctccag gaggccaaaa aaagactggg 480
 ttggcttctg gtccatcatga tggcttttat cctcctggga cactttgggt atattcatgg 540
 gcattgtttc catctgtctt ttctacctgt gccaccctg ccctgattcc acggctgcct 600
 caggcaggca ggcaaggagc taggccgggtg cccggccctg gcagcaagggt gtctttgtgc 660
 agttggagat gctgccgttg tggcagagcg tcctgcagcc ccgcttccat cagcaggctc 720
 tgggggtgggg gctttgcagg ggatgctctc tgatgtttgt tccgttgttt aaataaaatg 780
 cacttatttt tgtttttttt tttgcaaaaa aaaaaaa 817

<210> 212
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009035

<400> 212
 ttttctttta tatgtattat taaatgactg ttactctaca aacatatggt tgttattttt 60
 acttttttga taccattata gtgtaggcat ttcccagggt tttttggtaa caccattttc 120
 ttaatgatat gatgttgagc ccagtggatt tattacagtc ttacttatta ttgctctact 180
 gttggtcctt tagtttgctt ttcactcttc tatgtaatgc tgtaagaaat gactttttcc 240

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| ataaactatt | ttccatatat | tggatgtata | atttaacaca | ttctaaacat | taatgttaaa | 300 |
| acagacataa | agcataaaaa | ccgagatata | tatttgatca | tataaaaaatt | taagctgggc | 360 |
| acagtggctc | ataccctgta | tcccagcact | ttgggaggcc | aaggtggggg | tagactgggt | 420 |
| gagctcaggg | gttcaagacc | agcctgggaa | catggtgaaa | cccaactcta | ccaaaaaaaa | 480 |
| aaaa | | | | | | 484 |

<210> 213
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009152

| | |
|-------------|---|
| <400> 213 | |
| cccagtttat | taccattaga ccataccttt ttgtccaatc atttaaaaca aatttttata 60 |
| taataagttt | tatttgatg taataaattt tattatataa aaataagttt taatatatat 120 |
| tatataaaaa | gttttaataa atacctaata tattatttaa tatgataaaa cttatatataa 180 |
| atgaaatttt | atgctgttct cttgtcaatc tgtcttttgt tatcttgctg gtgtgcctgt 240 |
| catgtgaggg | actgcaatct gatatgccta ttttccacag tcaaagcaat tacaagagaa 300 |
| ttgtttacaat | taccagttta tgtcaagaga ttttttttta attcactaag gtagagataa 360 |
| ggagaatgta | ttaaaatagg atattttaat tataaatgca tgactgggga ggggggtattg 420 |
| tttttgaata | aaatatgagg ttatttgcca tgacaaaaaa aaaaagaagt aggaaaatcc 480 |
| catggaaatt | tatgttcctt ctaactttt 509 |

<210> 214
 <211> 1130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2061752

| | |
|------------|---|
| <400> 214 | |
| ggatttatca | cattctgcct tgaatcatag ggaacagcat gtgtagtgga atgaacacag 60 |
| gcctctgaat | ccaagatatg agtttaaadc ccagcttttg aggtgggttac ttaaagtctc 120 |
| agtgccttca | ttcttcttcc tatataaagt agatattaca atatctaact tacagagtca 180 |
| ttgggagcta | tacatgcagc gattgggtaa agcacctggc acatggcaag cgattagcaa 240 |

```

atgctgggta cttctacttc tttctcttcc cttttcccag tctatcataa tttccttgag 300
agcaggcacc atgtcttatt tacccttgta tttcccacag tacttcccat agtgagttac 360
ccttagtaaa tactcagtaa gttgaattga atttaaatta cctgtaagtc ttaaaatgtg 420
ggattaaatt aagaatatat tgtcctggaa atacccaaat gtctattgat ggatgaatgg 480
ataaacaaaa tgtggtatac acataatgga atattattca gccttaaaaa ggaatgaaat 540
tctgacatgt gctacaatat gatgaacctg gaagacatta tatgtgaaat aagccagaca 600
gaaaaggaca aatactatat gattccactt atatgaagta cctagagtag tgtaattcat 660
agaaacagaa agtacagggt gacatccaaa atctgaaatg agaaatgctc caaaaactga 720
aactttttca atgccgacac gatgctcaaa gaaaatgcta attggagcat ttcagatttt 780
ggatttttgg atttgggatg ctcaactggc ataatgtgaa tattccaaac tctgaaaaaa 840
tctgaagtct aaaacacttc tggctcgaag gattttggat aaaggatact caatgtgcaa 900
catgtagaat ggtggttgca aggtgggagg agagaatgga gagttactgt ttaatgatac 960
aatgtttccg tttgggaaga tggaaagttt tggagatgtg tgatggttat ggttgcgcaa 1020
caatgggaag gtacttagta ctgcttaact gtgcacactt aaaaatggta aaaatgataa 1080
attttgtgta tgtcttaaaa caataaaaga agttttttta aaaaaaaaaa 1130

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<210> 215

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2061933

<400> 215

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attttctccc ttcagcaagc actcattaag gagtgaggct gagtatTTTA agatagagtg 60
agatctgtga gtgattgaaa ggtgatattt aaaaacttg atttcattcc agtgtcaggt 120
ttgggtttta agttcctttg gtccagggaa gggccaagc agccacagtt gccctaaatc 180
tccatcatta agtcttccag caagggttaag tgcagtatgg aaggagaagg ggggaagagga 240
cggtaacggc cccacactcc aggtgagaa agagtaatta ggaggcctga ggaggggccc 300
aggaaaggct gttgggggtg gctgggggtg gtacccgagc gccttcccc cacctcaacc 360
agagaagagc atccggttgc tttttaaaagc ttttagcctg ccctagcaag gacaaagcat 420
gtagattag agatgcttct gctgatcgca ggggttctta tttgaaaaca tctatgatgg 480
gggtggggtg ggaggagaca gggtgtggtt atgcaggaaa atcttgtcct aaaaatatat 540

```

```

gagtttgggg gtaaggggtg ggatagccaa gcaaaatcag taattatttt aaaatgaaca      600
tatgtatttt tattaacttt tagttaaata cagattttac aacgaggtca gcataagcct      660
aaatctatat agaggggctaa ctcaggcatt gtcttggtta tttgtagact ggattaaaaa      720
caacctgtcc tgttttgtca gttcccagct tcttcgttta gaataaatta gacccaaaaga      780
agaaacgtgc ttgtctctgt ataccgcag aatgaagtta ctgttggtta aactggattt      840
tttcatttta ctaggttccg aagagtccag atgcttggtta gatgttcaat acgtgatttt      900
ttttttaatt gaatgtgttc atttaaaatc ctccttaaca tttctagaaa gacttctttc      960
aataaataat ggaatcttag aggaaaagtg gttttttaaa agctagggaa ctcctccact     1020
aaaagtaacc attggaaacc tcgaatgagg gctaaagttt taatcataag agaaaaggca     1080
gcataatgaa atgtgtacac atacatagtc agtgggtccat tttaggaagc cagtggcgctc     1140
tgataaagaa atgttaagag tagtgaggtt gaggaaggaa attgtgggga tttgaaatat     1200
tctctttatg ttgtttctct tctgagtcac ggtaaaacaa taaattatca tctctaggtg     1260
gaaaaaaaaa aaa                                                                1273

```

<210> 216

<211> 1279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2081422

<400> 216

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ctttaacaga aggatggggg atagtcagat agtcggagga agtgggtgat ttgaacaagt      60
tcagagcagg gaggaaggct gtgttgggga cttccagctt gctctcctca tgcataaagc     120
cactcattcc ctttctctct cccccacccc ttcttcccct cactttcttc ctttcctcac     180
ttctcctttc ccctctgtgc agagctcttg gcaccagtca agctgtccca ccctcagggg     240
ccctctcagt gactgatgcc catggctccc tctcctaca cccaaagacc ctggcttgcc     300
catgtctctg atgagaattc aaaggagct gtgtttatat aacgtagagg gatttacctg     360
tggcttttcc tttactcact tctcaaaac tgtacattta tggcatagga tgtcagtcct     420
aaaagtttta ttatcaaaac agtaggtggc aagtaattat tatcataaat ccagcaggtt     480
ctagagaagc caagttggag gagaaagcag gatagagtc accatgacca ttgattgttg     540
ggcacattct ttctaagaaa cagattaatt ccattgtatc tgttctctgt tatcccatc      600

```

```

cagcttatga ttagagtctt gagctcacia cttggtcctc taagaggtag tcagtgggtca 660
gcgcttcagc ttgaccacag cgtttggttc tttctttaag tgttgtgttg taatgcttgg 720
attataaaaag ccttaacacg gccccatttg atcagttccc tgccaactct tgtatcctca 780
tttactaag ctttggtaca ctactagac tgttaacaac ggagaaaaac ctgtgggtac 840
tgaatatgcc atatacaact tgctatztat tctgttcctt gtttagaagg ccatgggtac 900
ccttaactat ctgaactctt cctgtcctgt aagactgagc tcactggcaa tctcctatag 960
gctgctttcc ctaagcctcc ccatctttct tctcctcc tctacttct cctcactc 1020
ctttccctc tctccctac tcacctgctt tcttttgcc cctcccat cctcttccc 1080
cttctgtca tttttccatg tcaagaaatt tccagatata taggaatatg atggagaatg 1140
ctgacaggca gttctttgag tagtcaaatt aagatgtaat ggttgaattg tataatggca 1200
atcacataaa ctacatatat aaagcttcta gcttagtaaa ctctaaatgt gtttttttaa 1260
actaaagaat gagggggggg 1279

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<210> 217

<211> 899

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 217

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tggtttgga atgcttcgaa ttttattttt tctactcca attaatcagg agttgatgat 60
cccatgagca ggaccgcctc catgattggg gagcatgcac ttgtgactgc agggtaagag 120
tgggaagata ggtttgtgga gtggcaccga caggactgtg atttgtgtgtg ggccctgcccc 180
acatttctct gggggatgct tatgtgagag tgggccagc gaaagagtta ccaagccacc 240
cacacccta acactgttct ggatgagaga tgagagcaga ccggcttctc cccatcagtg 300
cattgtgcct gttgtacacc cctggaggag ccctggagcc agcccagggtg gggtaacaaa 360
tctttttaaa ttccatatgg ttgccagctt atttctttca cttgtttact gtaatatctg 420
gcgtgttttt atttatctaa ttttgatttc agttataacc atggtagggg tagtgaatat 480
atgacagggtg taatccctgg tgctgcagtg gaccttcttt tcttttggac aagataatac 540
tgtgagtttc cctccttctt tccctctaatt ttgttttctt tttttcccca gcctcttgca 600
tccccttctt ttctaccctg tctacaact atcatatgca cagtcttctc tctttgtgtg 660
tgactgttac aaaatttcac ttttcaaaat cgaaatcagg tgtttgctca aatgagggga 720

```

```

gattttttttt tttttttttt ttttaaattgc tgagacttca gcagagtact ttccttttgg      780
tggtttcccc  caaaaaccca tcagtctggg agagcattgg gagtggaaat catgttgcc      840
gggatgctgg tttctttgaa aattatataa aacgtatgta aaagggtcccc ccatttggg      899

```

```

<210> 218
<211> 645
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2121353

```

```

<400> 218
caaagtgtg ggattacagg tatgagccac cgcaccgggc ctgttctatt tttctagtta      60
agggaactga agctcagaga ggtgtcacca gcagggtgttc attcccatgc cagccttgcc      120
ccccggcttt tcccaggcag gctcctgcgt gccactggc tccagcctgg tctctgtct      180
cttggtgtgt tcaactcctgc tctttgtccc gactctggcc ctgcttacag gggccactac      240
ctgctggtgc ctccataaca agcgtctggc gttgagaccc ctggcatggc aggggctttg      300
gggtctggtt tccacaaggc ttagccatgg cagaacctcg ttttatttta actctttgcc      360
cctacaaaca aacagcagta cttgccagaa ccattcttgg gattcaggag ctcgggcgac      420
tgccttggcc tctggccgca cccaggaggg tgggggttga tctgtgtagt tgccaggccc      480
acacctgcca gcagggggct gactggatcc atgctttact gtgtttaatg ggggtaacag      540
gggtccctac agccctccca gctaaacatt tggaacaaaa caccagccct tttgtagtgg      600
atgcagaata aaattgttaa tccaatcacc tccaaaaaaa aaaaa      645

```

```

<210> 219
<211> 703
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2241736

```

```

<400> 219
ccacgcgtcc gctgtaaacc agaaaaatgt tggttatcta gaaaacttga gagagcatgt      60
agattaactt ttctctttgg agttctaaaa cattaactgg aaagattaga taatatacta      120
aatgtataca gaagtataca gactatacaa agactgaaac aagtcccttt tgcactacaa      180
ctctataaca ttaccgcaga aattttgggt ctatgtagca tggacctcct aaggaattct      240

```

```

gtttctttta gcattgagat ccttggtgct ctttttttac ctcagaattg gtacaatcat      300
tattaaacgt taatttat tttt caaacttttt aattgaaaaa aggaaaggga aacttaattg      360
gggataaatt caggcatcat attattatga tagagtctcc tgagtgggtc gtctataggt      420
aatgaactca ttggtgttat ttcttggaca tcttggcctt ttaatcaaag actgtgtgct      480
gctatttgct atgagcaagg tttctcaaaa gcaaaagggtg cttggaccat ttggatcacc      540
tgagttagaa tctctaggta tagggccag gtatctgcat tttcacagg tcttgttagg      600
tgactttctg caagctaaag tatgagaacc attggcttgg atgtagttct aaacttttag      660
gtctgtaaat cttgaaatct tgaactgaag gtcaactatt ggc                          703

```

```

<210> 220
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2271935

```

```

<400> 220
ctttcatcat aattaaagtg ctgtcagga aaatggcatg gctgagtttt gctgctgttg      60
aaatgaccct cctcctccac tctcttctgc ttctctcatt tgctaaagtg gtcctttctc      120
tgctgaaat caggcccttt ggtgatggaa attttagctt aaagcagagt tctaagcaga      180
atcctaacc tgcgaggggtg gggagaaaat caatgttttg agctgggtgc tgtttgcagc      240
gaggtgctgg tgaggccatt ttcacagga ggaacgggtg tgggtggctac ttctgggctt      300
tagatccacg caaggtctcc taaatacaag tcaactgtcat ggtacacaat ttagcaaaac      360
ttggaggctg attttccccg ttgacttagc tagggtcagg aggaagctgt ttagaagtac      420
agaggttctg catctgggag ggtaaaatcc aaacgcctct catgctcaga gggaaagcat      480
gcctgcatgt ttactatcac tgctggccta cgtgcttgtg tgctgaattt agatgg          536

```

```

<210> 221
<211> 790
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte Clone No: 2295344

```

```

<400> 221
tccgtccccg gccggtagat tttcttctct ttctaaggct aatgggtggta gttttgtttt      60

```

```

ttgacgtttt cttataatga gtttttcttt ataattttta atttatgctg taatgtttct 120
tatttacaat gttatctctt aaatctttga gtacattaca ttttctcccc tgataatctc 180
ttctaaatta ccttctctag ttgggtttct tcccttcctt aatgttagcc attcttcagg 240
tgaaggttaa tcctcaatgt actcttcatg ttttaagggga gggctctaaaa ccttgtgggt 300
aggacttacc aacggagttt cattgcatga tgatcttatt gagcttattg gtagccctta 360
tctcagtatc tttagttttt cttgggctgg tcagattttc aagagaagac ttttcatttc 420
ctttgtggag ggaaaaggcc ttttaccagc actcttcaag ctgagtaggg gaaagacttc 480
aagcactcag gaagcatgca ttcactttat ttggaacaat acccttactt gtaactgtgc 540
ctcaggtgcc atagtccaca gagacttctt ttacctgtcc agagaataaa attagttgtc 600
tgttggggta acaaaaagtg tggagctgaa gagggtagct ataaatgaag ttgttttctg 660
gccgggcgca gtggctcacg cctgtaatcc cagcacttcg ggaggccaag gtggagggat 720
cacttgagtc caggagtttg agaccagcct gggcaacata ctgagactcc gtctctccaa 780
aaaaaaaaaa 790

```

<210> 222

<211> 1045

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2303994

<400> 222

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gggaagtga ggctgcagtg aactatgatt ttaccactgc actccagctt gggcaacaag 60
atgagaccct gtctcaaaaa aaaaaaaaag ttttctagaa taagcaggat gattgtttta 120
tttgaagatg gaacaggaaa ctagagtgc tttaaaatac tctgtcttca ttttaacatg 180
ttgaatggaa taactgcata tcaccatgag tttgttttgc ttttcatata gacttgatat 240
tgtcatttga gtggtttcca gattggagcg aggttattct gatctaaatg aacagcattt 300
ttttccttag cctctgtttg ccactctggg tatctctcct atgggcaaag ccattagaaa 360
tgcataaaac ctcgagacat ggttttttggc aaaaactcca tgactttaaa ctagctcttt 420
tactactgac ctttcacaga gaaaaaatat ttcccttgaa aaaaactggg cttgtcattt 480
tttcccttgt agctttaagc agagacataa gtgccttgca ttacacatag taaactttct 540
ttaaaaaaaa aaaaaaagat tttggagact accagggtta gattccaact tgtccaaaag 600

```



```

ctttctggcc ttacatat tttataaaaa attctcaagt ctggtaatct tctatgtcag 660
agctagtgat ttcaaaagggt ttcacaattc cccaagacaa aagtgat ttt cgttcattat 720
aataagggtta agtgatatgt gattcataac aattttgatg tgaagaaggg aaggacatca 780
ttgacttaat aatagtatca gtcggtgcaa cagttggcaa catgtgcctt cacactttac 840
cataaagaga cggggttgag gggttgccctt ctaaagtctg caacttcaag aaaaaaatc 900
gacaccgtgg attgaccttc ccgggtccac taatataaag ccaataaagc ttaaaaacac 960
ctttggtaac ccatgtaatt taactccggt ccagtggccc tataattcca attaaaaatg 1020
gttcaatctc ttggaaaaaa aaaaa 1045

```

<210> 223

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2497805

<400> 223

```

ctggcagatc cggacgggca ggactgggtg tgtcccatga gagcacctcc ttctggcct 60
ttctgtgga ctttgtcca caccacctgc ctgggttcct tcctttagtc acttcagct 120
ccaggcacag cagttggtga ctcttggtg ggagccgtgt cccacccggt cctgatactg 180
ccgtcttctc ttccacagtc ctccaggctt gggccagcct tgggggcagc agagcttctg 240
gggtgagtgt cgagatcctg tgtcctgaga gcggtagtca gggagagggc tggtcggggc 300
agggctgccc gggcaggaca caggatgcgg ccggccaggc tggggccaag gtgttcagac 360
ctggactttg ggctcgtgct ttcttcatgg ttgcgccttg ctgcgtgtcc cttggagtct 420
tcatttggtt ttgctttttt tgtttggttg tttcaccta atttttgcca gacttaagct 480
agttttgctg ctttttgaaa ctagtgaag aatcatttta ttctgggga taatttgggg 540
gcttttgaat cca 553

```

<210> 224

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2646362

<400> 224

```

ccgacccccca acctcaagtt gccgccggaa gagcggctca tctgaacgct ggggcctgct      60
gcagccacca acactgcca ggactgcggg ttgctggctt gtacaccgca gctgccaccg      120
agacaccagc ctctgatggc tcaggaggac ttgtggggag aggctggggg caccatgtg      180
gtgggctctg tgcagcatgt tgctctgct ttgctgtgcc tgcagctcag ggtgctgggg      240
ctcgggaccc acccccctgc ttgcggaacc aacttttctc tgtgtgtcca gcaggcccca      300
caaccccctc tcctttcttt cagttctccc atgcagccga ggcccgggcc cctcaggact      360
ccaaggagac ggtgcagggc tgctgcccc tctaggtccc ctctcctgca tctgtctccc      420
ttcattgctg tgtgaccttg gggaaaggca gtgcctctc tgggcagtca gatccacca      480
gtgcttaata gcagggaaga aggtacttca aagactctgc ccctgaggtc aagagaggat      540
ggggctattc acttttatat atttatataa aattagtagt gagatgtaac aaaagcttta      600
ttggtgtgtt tgagctgggt ggtgccacat atttggggat ttgaagaagg aggtgagatg      660
tctggatggg gactgggatg ggtagaggat tcagtatac tccgag                        706

```

<210> 225

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> modified_base

<222> (492)

<223> a, c, g, t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2657146

<400> 225

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tgatctgtca atgtttaagg ctgttggttg ttcttgtgac tttgctaata tgtttttctc      180
ctgacagggtt aacctgcctt cttaactcag cagtggttct agcgtcctat gccgtacaat      240
gtaagtcaca aaggagagcat ttcacggatg gacaggttgt tctgatcagt gtgtggagaa      300
agtcactggg tcctcctgct tgaccaagtc cctcttcccc aggaatcctg ctgggcagca      360
tatctctggc tgtccagata tgtgtttcta ctgactgg cactctcctg tagcatgggg      420
atgttagatt aagggaagggt gttaaagggg aaagaatgaa tgaactgtgg tgtgaaattt      480
cttccaagga gnccatccga cagcagaca                        509

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<210> 226
 <211> 2153
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2755786

<400> 226
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 gccgcccgcg ccgctgcctc ggcggggtcc tcggcctctt caggcaacca gccgcctcag 180
 gagctggggc ttggggagct gctggaggag ttctcccgga ctcagtaccg ggccaaggat 240
 ggcagcggga ccggcggtc taaggttgag cgcattgaga agagatgtct ggagctgttt 300
 ggccgagact actgtttcag cgtgattcca aacacgaatg gggatatctg tggccactat 360
 ccccggcaca tcgtgttctt ggagtatgag agttctgaga aggagaaaga cacgtttgag 420
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 ggtgcagatg atgcctgggc agatgtggag gacgtcacgg aggaggactg tgcctctcga 660
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 ggggaggaga ttttcttctt ctgcttcaat tttttgaagc atattacctc cgaggagttc 1320
 tctgctctga agaccagag gaggaagagt ttgccagccc gggatggagg cttcacctg 1380

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gaagacatct gcatgctgag acgaaaggac cgtggcagca ccaccagcct tggcagcgac 1440
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gagctggtcc cagcaggagc gccaaactcag gcagcttggc ttgcagccct gagtgatcga 1560
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<210> 227

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2831245

<400> 227

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gagaatggta tggagatgaa aggttctcgt gtatggcttt tgctcctatt tatgtggaaa 180
gcacgcccta cattctttca aagctgtgtt gttcccttta ttctcagtcc ccagaattgt 240
gtgcaaacac actctcttgg ccagggggtt tggctgggtg tgtttccttc tggaagtctt 300
cactagcact cttgagttag ctggcaggag atcccttaaa accatttcca agcagttttt 360
ctcacttccc tataggggct aatcctgtac ttccacttc agttccagct gctgttgctt 420
gggaagaaac aaatttctgc tgtgttctca atctccagac ggtccatgaa aatttaaatgt 480
ataagaacaa agaggctggg cgcagtggct aacgcctgta atacctgcac tttgggaggc 540
tgaggtgggt ggatcacctg aggtcagaag ttcgagaaca gcctagccaa catggcgaaa 600
ccctgtctct actaaaaata ccaaatttgc tgaacgtgat ggtggggggt gttaacccca 660

```

```

gtacttggga ggctgaggca ggaaatcgct gaactcggga agcaaagggt gcattaaggg      720
tacgagctcg aattcggtat catgttaaaa ccgtttccgg gttaaattgg tatccgccca      780
caattcccac a                                                                791

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<210> 228
<211> 870
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 3116250

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<400> 228
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tattcttcaa gcaacttaca gctgcaccga cagttgcgat gaaagttcta atctcttccc      180
tcctcctggt 'gctgccacta atgctgatgt ccatggcttc tagcagcctg aatccagggg      240
tcgccagagg ccacagggac cgaggccagg cttctaggag atgggtccag gaaggcggcc      300
aagaatgtga gtgcaaagat tggttcctga gagccccgag aagaaaattc atgacagtgt      360
ctgggctgcc aaagaagcag tgcccctgtg atcatttcaa gggcaatgtg aagaaaacaa      420
gacaccaaag gcaccacaga aagccaaaca agcattccag agcctgccag caatttctca      480
aacaatgtca gctaagaagc tttgctctgc ctttgttaga gctctgagcg cccactcttc      540
caattaaaca ttctcagcca agaagacagt gagcacacct accagacact cttcttctcc      600
cacctcactc tcccactgta cccacccta aatcattcca gtgctctcaa aaagcatggt      660
tttcaagatc attttgtttg ttgctctctc tagtgtcttc ttctctcgtc agtcttagcc      720
tgtgccctcc ccttaccag gcttaggctt aattacctga aagattccag gaaactgtag      780
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taaataatttt taaatgtcac aaaaaaaaaa                                         870

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<210> 229
<211> 764
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 3129630

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<400> 229
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gcggcaggag ccgccgccga cacctgaagg aaaattgggc cgatttccac ctatgatgca 180
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atccatcatc tctttaaatc ctgcctcctc ttcattgaggt acttaggata gccatgattt 540
cagtttcaca taagaatgtt tactcaatgt ttaagtgtgt tgcccaaaaa ttcccaacta 600
acaaggcaga actagggggac ttgaccttgg gacctttttg ggtcctaaac tccaggtaag 660
tataaacaat ttcaattggc ctttcccctt gccaaagaaa aaaaaataa aggggcgggg 720
gggttccccg acccccgga tttccggaaa cccttggtta aacc 764

<210> 230

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 007632

<400> 230
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atcctctctt atctcttctt ctcttgact ccagggaat atcctttcaa ctctcagcac 120
ctcatgaaga cgcgcgctta actccggagg agctagaaag agcttccctt ctacagatac 180
tgccagagat gctgggtgca gaaagagggg atattctcag gaaagcagac tcaagtacca 240
acatttttaa cccaagagga aatttgagaa agtttcagga tttctctgga caagatccta 300
acattttact gagtcatctt ttggccagaa tctggaaacc atacaagaaa cgtgagactc 360
ctgattgctt ctggaaatac tgtgtctgaa gtgaaataag catctgttag tcagctcaga 420
aacacccatc ttagaatatg aaaaataaca caatgcttga tttgaaaaca gtgtggagaa 480
aaactaggca aactacacc tggtcattgt tacctggaaa ataaatcctc tatgttttgc 540

<210> 231
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

<400> 231
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 gaagtagcaa gaagggagat gccaaagtac aatcaccagg aagatgcctc tctctagtga 120
 cctgggtagt ttgcacgggt tggctggaaa ccacagtccc cccatctctg ccagaacccc 180
 ccatgtggcc actgtcctca gacagctcct ggagcttctg gataagcact ggaatggctc 240
 cggctccctc ctcctcaaca agaagtttct cggaaagttt gaagcaaaaa ctggctcagag 300
 tgctggagga aaacctcatt ttgtcagaaa aaattcaaca gttggaggaa ggtgctgcca 360
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 ctggcttata gagctagcat ggaactcaca ccacagcttc cctgggtccac agaggctctc 780
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 tgattaaaaa aaaaaaa 857

<210> 232
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

<400> 232
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 actgcagtgc ttgttcgagc tgtagaatct ctgagctgcg tgccgtgtaa ttcattggaa 180
 aaatcctgtg tcaacagcat tgcctctgaa tgtccctcac atgccaacac cagctgtatc 240

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agctcctcag ccagctcctc tctagagaca ccagtcagat tataccagaa tatgttctgc 300
tcagcggaga actgcagtga ggagacacac attacagcct tcaactgtcca cgtgtctgct 360
gaagaacact ttcattttgt aagccagtgc tgccaaggaa aggaatgcag caacaccagc 420
gatgccctgg accctcccct gaagaacgtg tccagcaacg cagagtgtccc tgcttggtat 480
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<210> 233

<211> 1981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1396975

<400> 233

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gacctcttaa acccccatcc cagcacccca tcctgttggt cccagagctg gtctcccatg 360
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catacacccc agaagacttc ccaaataagg ccagactcag ggtcacgggg aatgtgcttc 480
tgcccctgta agggcttttg ggaagggggc aacatagtag aggctggaaa gagccccaa 540
acctgtgccc atgcccctcc agccctgcgt ttccattctg ccttctcaga gtgcccttgc 600

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tgcaccacaga ccaccggcca ggagagacct tctctccac tccagccct ctcactgccc 660
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gccatacac tggcccaagg gctcacctaa cttgggaggg aaggggctgt tggtaacaagg 780
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ggcagtgact cagaccaca ctgtgccgtg cagctgtgtg ccctgcacac ccgcttgacg 1920
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a 1981

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<210> 234

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1501749

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 aaagaattcc ttggcagcct gaagcgccag aagcggcagc tgtgggaccg gactcggccc 300
 gaggtgcagc agtggtagca gcagtttctc tacatgggct ttgacgaagc gaaatttgaa 360
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 taccaacgtc actatgatga agactctgca attgggtccc ggagccccta cggctttagg 480
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 gctctatttc agcagatctt ttctacctac tttgtgtgat caaaaaagaa gagttaaaac 660
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 aagcattttg ttaaaaaaaaa aaaa 744

<210> 235
 <211> 979
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1575240

<400> 235
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 acagcatgac acccacaaaa agggagcctc cagctgcacc cctgctgctg cgagtacttc 180
 ctgagctgtc tgccatgagc ttaagggttaa gtaccaggag ggaggatatg attgggcaaa 240
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 tttgtctcga ggaggagggg gcaggactct gccagaactc actcgataaa agattttccc 360
 aaaaggaagg gtgttcagat gacaaaagtc cactacacca ctttccttgg ctatctgatg 420
 ccccccatc ttcccatgcg cgcacctcag aaatcaggct cccacctgac ataacacaac 480
 catgcctcac aaaaagacag tggtttatcc cttccctagg agaaaagaga ggcaatgcc 540
 agctgcttca tcaactgtta atacttcttc cagcccga cccaggatat ctgcagggtg 600

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ctctccctct ggttttggtca tggtctctctc tgttctagaa tgtatggggtt aaagtccggct 660
gccacaccat gccctcggca gtgtgggtcca aggacccttg agggtcctca aggtccttcc 720
tttcccaacc ccacgtgggtt ttcttcagtc aggataccat actgcaacag accgaaggcg 780
gaagcagcta tgaggatgca gcagccttct gttaagccag gctttaagga tctgcaaaaa 840
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<210> 236

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1647884

<400> 236

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gctcctggga cccggccgggt tacctgtctc actgcccctg catgggtaag gcctcccaag 180
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cagagacacc ttcacaggtc caggagagaa cctcagagcg ggacggggca tgctcttctc 300
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tgatttttca ttgattcagc aaatatattat ggggcaccta ttctgtgccg ggccctgttc 540
tctgtactgg gaataccgca gtgaataaga taaactccgt gtcctttagtag agccttcatt 600
ttagttgggg aagacaaaca attgagaata agtaggccag gcgcggtggc tcacttctgt 660
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ctaggcaaca tagtgaaaat ccaatctcaa aaaaaaaaaa 760

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<210> 237

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1661144

<400> 237

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accgcacccg gccgcattct tctaaatcac agtacatctg gttcccagtg cccaggctct      180
cagggcagag ggtccagtgt gatcactttg catggcctct ctcccctcct gagcttgtgc      240
cagggcccca gggctgacct ggagaaggaa aatggcagag ggtgaagatg ggggtgtctgg      300
tttggggacc atcctggccc cccttgctac tgttggcatc tcttctgcac agtggcattg      360
ctgggaggtg cttactgtgc ctattcaagg ggctggcagc cgcagcctca ctgcagatca      420
gggacttggc ttcccggttg accacaggtc caagaacctg caggggtccag cctccccccc      480
atccccagtc ttccccaccc tggcccggcc ctccagggtc agaaacatgc agggccctct      540
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ctgaactcct gtgtgcctgg ggtggcaggg gcaaacatag ccaactggtg gcctgagcgg      720
ggccatggtg aggacacctt tgggtggcttg tcccacatca agctgggagg tgacactgag      780
gatgcattag tctgcagcgt atgataaaaa cggcatttca ggccaggcgt ggtggctcat      840
gcctgtcacc ccagcacctt gggaggccga ggtgggcgga tcatatgagg tcaggacttt      900
gagaccagcc tggccaacat ggtgaaaact catctgtact aaaaaaaca aaattatgtg      960
ggttggtggt gtgcgcctgt aatcccagct acttgggagg ctgaggcagg agaatcactt     1020
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<210> 238

<211> 1129

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 1685409

<400> 238

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caacgtccga cagaacgagg ggacgtaacg gaggcaggtt ggagccgctg ccgtcgccat      60
gacccgcggt aaccagcgtg agctcgcccc ccagaagaat atgaaaaagc agagcgactc      120
ggttaaggga aagcgccgag atgacgggct ttctgctgcc gcccgcaagc agaggtagcc      180

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ccagggaggg gagggaaagg gacgggtggag acctgggtta gaccaagggt tatagaagga      240
aagagagcta cctcagggct tgaatgtgga ctagtctgta ggagcagagt gcattgcttc      300
ctctaggggtt ttatttcctc cccaccctcc aaattgttag ctcacagcct tacaggaaag      360
gacgggggcg ggcgcctgcc ctcagtctga tttctgagcg tccctgggtc tgaccttaag      420
ggcaagggca gggagcttca catttcaa atcagttgtgg ttacggcagc ccagtacttt      480
tgccctcct tgctgttcgg ttctcctccc ttctcccaac ctctcactg gtgttgctgg      540
gtgtggtcct caatacagaa tagagaccct tgggcctgtg tcaccagact tctgaacctt      600
tgggcaacag ccagatggag actggctgcc ttttgagcct cagctctctt cctcttgctt      660
tcctaggggtg ggagtacagc agccaaacgc tgaacttagt cccatccact tccatcttat      720
cctttgtgcc cttcatcccc ctgcatcttg tcctttttgc cctctggtac ctcccagtg      780
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gagaagaagg aggaacccaa gtagctttgt ggcttcgtgt ccaaccctct tgcccttcgc      900
ctgtgtgcct ggagccagtc ccaccacgct cgcgtttcct cctgtagtgc tcacaggtec      960
cagcaccgat ggcattccct ttgccctgag tctgcagcgg gtcccttttg tgettccttc     1020
ccctcaggta gcctctctcc ccctgggcca ctcccggggg tgaggggggtt accccttccc     1080
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<210> 239

<211> 2370

<212> DNA

<213> Homo sapiens

<220>

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<222> (122)

<223> a, c, g, t, unknown, or other

<220>

<221> modified_base

<222> (124)

<223> a, c, g, t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 1731419

<400> 239

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angnggggtg ggaaaggcct gtgacatttc ctctggtggt ttccacgaac ccaggcgtca     180

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| | | | | | | |
|--------------|-------------|-------------|-------------|-------------|-------------|------|
| ccccctcgggtg | gagataaaagt | ggagccaccc | agctccaccg | tgtctcagcc | tggggtcggc | 240 |
| ctctgctgct | tctggactca | gtgaccctgg | gctgtcaggg | agcttctgag | ccttggtttt | 300 |
| cctgtcgagt | aagatggagg | taatcgtgtc | ttatgggggt | gttttgaggg | ttaaattgagc | 360 |
| tgggtggctgt | gtgggaaaga | gctctgcctc | ccgcagggag | gaactgtgct | gttcttatta | 420 |
| ttgtgaactt | agtgacaagt | gtggcactat | taccatttcc | cttgtctgcc | cccaaccctg | 480 |
| gggtcttggg | cagagaacag | gagttcttgc | cattttctcc | cagctccac | cttgtgctgg | 540 |
| cttgcggttg | ctgaggtcat | atttgctggg | tgaaaggggtg | caggccagat | atgagccagg | 600 |
| cctggcagag | agggttttgg | tcagcagtga | tacctgcagt | gttctctgca | gttggtttgg | 660 |
| gctggccctg | ctcctgagaa | ctcctgggtt | gtcccttcag | gcaaccaggg | aaggctcctt | 720 |
| ggagcagcag | catctccctt | taccactcgc | cgacaccagc | ttccgcctga | cccagagaag | 780 |
| gagtttgggg | acagccacag | cacgtccagg | gcttccaagg | cagctggcag | agccaatgag | 840 |
| gagaccccaa | cacccatccg | acggctgcag | ctctccctga | cgtgtgttac | cgagccctg | 900 |
| gtcccagccg | ctgtgcttct | cagggcctgc | ctgccagcc | cgggtggata | tggtgccag | 960 |
| gcgggccccg | gggacacaat | gagggccatt | ctcagagcca | ggcagagcgt | gtggggcagt | 1020 |
| cctgtcagtc | ctatgtgcaa | cagctgggat | attgtttagg | gagtgtctgg | atcaggccgg | 1080 |
| ggctctcctc | ctctggccct | gccctttggg | atgagcaagc | ccccaaaggc | cttctctgggt | 1140 |
| tcctctggtg | cacgtgccct | ggagttaccc | ttctgaagga | ggtagacttg | tcctcctgtc | 1200 |
| ctgggtgcct | ggggtgcagg | ggtgtgaatt | gggctatgtc | aagatatgct | gggcagtact | 1260 |
| gtgaggtggg | ggcagagggg | agaagggtgtc | ccaggaggag | ccttctctgga | ggggatgata | 1320 |
| gtccagcatg | ttctgaagtg | ggagtagggg | gcggcaggag | tagggtacca | gagaatgagt | 1380 |
| gagtcaggca | gcagcctcca | ctgcgccttg | gacacaggtg | gccgacagtg | tccacctgga | 1440 |
| ctggctttgc | accccttctg | aggtcacagt | tgtgtccctt | gaaaacttgg | gcaggagcac | 1500 |
| ctgactggcc | cagcttgggt | catgccctag | gccagcagt | gcgggaggcc | aggaaagtag | 1560 |
| gcttggggag | gctggcctct | cctccagttt | gaagcatggc | aggggttccg | ggggaggctg | 1620 |
| ctggggggcc | tgcgagcatg | tccagagcag | gaatgcttgg | ggtggtgtgt | gctttgctcg | 1680 |
| tctgggctta | tctggccgtg | gggaagctgg | ttgtgcggat | gacgttact | gagctgtgca | 1740 |
| cgcacatcc | atggagtctg | cgggtgtgagt | ccttttgccg | ctccagggtc | acagcctgcc | 1800 |
| tcctgtctcc | agccccctgg | ctgaggccct | tcctctgccc | catgctcttc | tcagacagga | 1860 |
| atcctgtgga | atgtcatctc | tttggggagg | ccgtctctga | ccctgtatgc | aaaggccttc | 1920 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| tcccacatta | tttttggcac | cccactttct | tccccgtgaa | agcaaattgt | ttggtgtctt | 1980 |
| tctgtcccac | tacagtatag | gcccggttca | gacagaggcc | ttgtccacta | ggcctgcgct | 2040 |
| atctctgcgg | agcccagcca | aagcaggggc | caggcgaatc | ttttgttaaa | agaacaatgc | 2100 |
| gcgctgggca | cagtgtcac | gcctgtaatc | ccagcacttt | gggagtccga | agctggagga | 2160 |
| tcacttgaac | ccaagagttt | gagaccaccc | tgggcaacat | aaggagaacc | catctctaca | 2220 |
| caaaattagc | tgggcgtggt | ggtgtatgcc | tgtagtcccta | gctacttggg | aggctaagggt | 2280 |
| gggaggtggc | tgaggtggga | ggatcacttg | agcctgggag | gttgttgcag | tgagagccat | 2340 |
| gatcgcgcta | ctgggcaata | gagcagaacc | | | | 2370 |

<210> 240

<211> 981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2650265

<400> 240

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| cggactgccc | tgagggcg | aaaggggtggt | cactgggtca | gcccgaagca | cctgacatga | 60 |
| gggcggggac | cccgaaatgc | acacgaagtc | cggaaactggt | cttctgtgat | tttcattcgc | 120 |
| cctggtctct | gttccctttc | gtactcaaag | ctcgtgcatc | cagggagggg | aaaccggaga | 180 |
| tagggctctc | gggccccggg | cagaccctct | gtgccgctgc | aaaccgttgc | agcctgaggg | 240 |
| tgtcaggtcc | tccccagac | acctgcggac | cctccctctc | ctggcttccc | gtctgggtcat | 300 |
| ggcgagattc | tgggtctg | tagccggtgc | tggcttcttt | cttgcatttt | tggttttgca | 360 |
| ttcgcgtttt | tgtggctctc | cagttttgag | gaactttact | tttgcagttt | cctggagaac | 420 |
| tgagaaaatt | ctttaccggc | tggatgtggg | ttggcctaag | caccagaaat | attttaccgg | 480 |
| aacaacattt | tgtgttgcag | ttgactccct | caatggattg | gtttacatag | gtcaaagagg | 540 |
| ggataacatc | ccaaagatat | tagtgttcac | agaggatgga | tatttcctac | gagcctggaa | 600 |
| ttatacagtt | gacacacctc | atggtatatt | tgcagccagt | actctatatg | aacaatccgt | 660 |
| ctggatcacg | gatgtaggaa | gtggtatgta | tagtaatatc | tattaaatta | tcttactgga | 720 |
| aatcacatct | ttgcacatgt | ccttgtttgt | attgttttaa | atcagagttg | ctgaatctaa | 780 |
| ttgtaatttc | tttaacgatt | catgaaatca | catgttttta | acaaacttta | ttttgtactt | 840 |
| ctgtggaatt | aagaaattta | acaagggctg | gacgccgtgc | tcacgcctgt | aatcccagca | 900 |

ctttgggagg ccgaggcggg cggatcacga ggtcaggaga tcgagacgat cctggccaac 960
 acggtgaaac ccccgctctcc a 981

<210> 241
 <211> 1204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2677129

<400> 241
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 aatcattgaa cccttctcag tctcatctt atttaaattct ggtatttttag cagactttttt 120
 tgccttactg ctattaatta atttttttttt ggtctctttc ttctttgctt accctttggtt 180
 taacaaccaa atcaactcta gatcaatgaa tgaaataaaa aatctccagt acctacctcg 240
 gaccagtgaa ccccgcgag ttctctttga agataggact agagctcatg ctgatcatgt 300
 cggtcagggg tttgactggc agagtacggc tgctgttgga gttttgaaag ctgtacaatt 360
 tggatgaatgg agtgaccaac ctgcataac caaagatgtg atttgttttc atgctgagga 420
 ttttactgat gttgtacaaa gacttcagtt agatcttcat gaacctccag tttccagtg 480
 cgtacagtgg gtagatgaag ctaaactaaa ccaaagagg cggaaggca ttcgttatgc 540
 tagaattcag ctttgcgaca atgatatcta ctcatccct agaaatgtca ttcatcagtt 600
 caaaacagtt tcggcgggtgt gcagcttagc ctggcatata aggcctaaac agtaccaccc 660
 tggtgtggaa gccactcaa acacagaaag caattctaac atggactgtg gtttaactgg 720
 aaagcgagaa ttagaagttg actcccaatg tgtgaggata aaaactgaat ctgaagaagc 780
 atgcacagag attcagctgt taacaactgc ttcattcatct ttcccacctg catcagaact 840
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 ggactctgac cagcaacaca atctgcaaga acattcaacc acttctgtgt gatatgtaca 960
 tattcaaaca catTTTTTaa cTTTTTTaaa ttttgatgtg aagttatagt ttataactg 1020
 gcttaagtta agttttattg gagaaatctt gcctataatt ctataaagag aaatgacatt 1080
 caciaatgtc agcatatctt ttacacaga tatgcaagtt agagtgtatc tatccggtag 1140
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 cgag 1204

<210> 242
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3151073

<400> 242
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 ttctgttctcc tcctgtgtgt tagccctgtg taccttcctt ctctgttcacc ctccacattt 120
 cccatctctg agccctcag ctttataggg atgtcagctt ggccccaatg tagtcccatt 180
 tacagccaga ctctggact tgcctatgag ccattcttcat ttccaaaaag gcgatattgg 240
 gtatgtacat tgcattgaaat aaagtgggaa tgtcccagaa gcagaaggac atctgatgca 300
 gtccacgcca ataaattggg cttaccttta aaaatcatct gaatatgcag gtcttagggc 360
 agagaatata gacagcttaa gattttctaa actacaagtc ccacccaaaa tacggtattt 420
 tcatgatttc ccaaagggtg accatcagca agactggata tttttcagac ttaagatgac 480
 tggttcagtag ctgatgttct ggaaaagatc tgggccttca ccatgaaatc ttaaatgtga 540
 gcagttactg gatgttgaat ttgaaaccta ttcatttctt tttttaaaac aagcttggtc 600
 atttctgtgc aatgctataa ttcggaacga aacaaagcac aatgttaata aggtagacac 660
 taattcattc ctctgaagag agatctcttc cagacatttt aagccagggc aagaaatgtt 720
 taaagatgtt ttctgcagtt gccgtagaaa cactccttag cagtcattct ggctgttggt 780
 aaaa 784

<210> 243
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3170095

<400> 243
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 atgtgtgagt aacaccccag gatactgcag gacatgttgc cactgggggg agacagcatt 180
 gttcatgtgc aacgcttcca gaaaatgctg catcagctac tccttctgc cgaagcctga 240
 cctaccacag ctcatcggta accactggca atcaaggaga agaaacacac aaaggaaaga 300

caagaagcaa caaacgaccg taacatcata ataaccactg ctatcgctc caccaactca 360
gagaaatattc atttccacag ttccaattcc tcctacattg ctgagtacta gccaaaggctc 420
ctctttt 426

<210> 244
<211> 1732
<212> DNA
<213> Homo sapiens

<220>
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<222> (1651)
<223> a, c, g, t, unknown, or other

<220>
<221> modified_base
<222> (1655)
<223> a, c, g, t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 3475168

<400> 244
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cccagcacag cgctgtcca ggacaagtgc ccagtaaaca cttgggaagc aatgcaagcg 180
tcctcccagc agctcctgca aacagacccc cgacceagc ctttccttct gcctccactg 240
ccaccactgc tgctcatctc tgctggcaca gaagtctctt ccctggctct ccagaaatcc 300
cctctccaca ctcagccaga gggagctatt aaaactgcgg gccagcccac atcagtccac 360
agcaaagtcc tctctaaggg atctctgttg cttggagaat aaaccctcgg attccttctt 420
tgggtctcgg ggcctcctct ctgacctccc tctgtctcct ctcccagcct tcctcctcac 480
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cccgggccct ttgcaactggc tgtttctctt gcctggagca cttctcctag gcattccacag 600
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gacttccttc tgagcaaggt agggctcttc tacctagtca tgagggcagg gatttttgtc 720
tgttgtgttc tctgtgtgcc ccagtgcca tcccagtgcc tggcagatgg taagtgtctg 780
acacacattg gctgactgcc tgaatgaaca actctatgag ccgatggcag ataaggacac 840
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ggagaggagc cggggttggg cacatcctgg agttggcgtc ttggaaactg catcaggaga      960
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cccagccctg cagccttggg cccttccagg agtcatggtc tgctgcctg gggcattcca     1080
ggcttcgacc caggtcctgc actttctatt ttgagcctct tagtcctgag gactgtgtgt     1140
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cctgtagtcc cagctattct agaggctgag ncggnaggat tgcttgagcc cagcagtttg     1680
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<210> 245

<211> 918

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 3836893

<400> 245

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gaccctggat gtgaaatgtg actacacgct agagaagttt gccagcagcc agaaagcttg     240
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gaattcccat ccagtccaag tggggaggat catactagaa gactaccatg atcatggttt     360
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ctaccagcct cccaaggagc ctcacatgct gttcgatcgc atccgcttgg tggtgaccaa     480
gggtttttca gggacccttg gctccaatga gaattctacc cagaatgtgt ataagattcc     540
tcctaccacc actaaggcct tgtgccact ctataccagc cccagaactg tgaccaagc      600

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tccacccaag tcaactgccg atgtctccac tcctgactct gaaatcaacc ttacaaatgt      660
gacagatatc atcagggttc cgggtgttcaa cattgtcatt ctcttggtg gtggattcct      720
gagtaagagc ctggtcttct ctgtcctggt tgctgtcacg ctgaggtcac ttgtacccta      780
ggcccacgaa cccacgagaa tgtcctctga cttccagcca catccatctg gcagttgtgc      840
caagggagga gggaggaggt aaaaggcagg gagttaataa catgaattaa atctgtaatc      900
accagctaaa aaaaaaaaaa                                           918

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<210> 246

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 4072159

<400> 246

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gtgctgctcc caaaaccca aagcaagcat ggaagagcag accaactcca gaggaaatgg      180
gaagatgacg tcccctccca ggggccctgg gaccaccgc acagctgagc tggcccgagc      240
tgaagagttg ttggagcagc agctggagct gtaccaggcc ctcttggaag ggcaggaggg      300
agcctgggag gcccaagccc tgggtgctca gatccagaag ctgaaggaa acagtgaggag      360
gcaccaagag agccttgagg gagggccta agtttcccc agtgcccaca gcaccctccg      420
gcactgaaaa tacacgcacc acccaccagg agccttgagg tcataaacac cccagcgtct      480
tcccaggcca gagaaagtgg aagagaccac aaaccgcagg caattggcag gcagtggggg      540
agccagggct ctgcagtctt agtcccatc ccctttgatc tcacagcagg cagggcacca      600
caggccttac taggaattca ccctggacca tgccttaaaa taacctcacc ccaaatacaa      660
taaagggacg aggcaa                                           676

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<210> 247

<211> 2255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1003916

<400> 247

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| gaaagaggag | ggccgggcag | cggaggggag | gaggcggtgc | gtgcctcgcc | tgccaaaggg | 120 |
| agatccgctc | ctctgcgtgc | gatccccggc | gcccgccgcg | gcccacagcg | ctccgccaga | 180 |
| gctgccgccc | cggactcgcc | gggagtgggg | gtctccgctg | gtgccagccc | gcttctggag | 240 |
| accctccgcc | tcctgccaac | ccctgctctt | ccaggtcggg | ccccgggggt | ctgcggctgt | 300 |
| tagggacaga | ggcaaagaag | ggcaggacgg | tccggtttcc | cgtggatggt | cccgcccgag | 360 |
| aaagacagca | agttgtgtgt | gcgcccggga | cgcgggaggg | aaggtagccg | ccgcccgcc | 420 |
| gcatggacc | atcatcttta | gtgcagagga | tggaaagttg | atgccagta | agactgaaga | 480 |
| tccattctgc | attacggaac | tgtggattat | ctgtgggtcc | ctggtgattt | cacaccttca | 540 |
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| aatggaggat | ctgcaccata | gtgaccggcc | tgggttggtg | cctcctcctc | ctggtggcgc | 900 |
| tcactgccct | catgggttgc | tgtgtttccg | acctcatctc | caggacagtg | ggaagagtgg | 960 |
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| aaatgaaacc | cgataaaaatc | aggaacatga | tataggaagg | aaggattgta | ggagatttgt | 1380 |
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<210> 248

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2093492

<400> 248

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<210> 249

<211> 1188

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<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 2108789

<400> 249

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<210> 250

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 2171401

<400> 250

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caaaaacttc ttgaaagtga ctactttagg tattacaagg taaacctgaa gaggcctgtg 360
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<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2212530

<400> 251

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<211> 471

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte Clone No: 2253036

<400> 252

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<210> 254

<211> 1856

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 2287485

<400> 254

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<400> 255

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<210> 256

<211> 1671

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2383171

<400> 256

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gccaccaag gctctggtgc cctttgagga cctgtttggg caggcgcttg gtggggaacg      360
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<210> 257
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 <213> Homo sapiens

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 <223> Incyte Clone No: 2396046

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<210> 258
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| ttcctgctcc | tgagttccag | gaccgcacgc | tccgaggagg | accgggacgg | cctatgggat | 240 |
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| aggcgctgcc | tgagcagcaa | gagctgtgaa | ggaagaaata | tccgatacag | aacatgcagt | 360 |
| aatgtggact | gcccaccaga | agcaggtgat | ttccgagctc | agcaatgctc | agctcataat | 420 |
| gatgtcaagc | accatggcca | gttttatgaa | tggcttctctg | tgtctaataa | ccctgacaac | 480 |
| ccatgttcac | tcaagtgcc | agccaaagga | acaaccctgg | ttgttgaact | agcacctaag | 540 |
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| caaattgttg | gctgcgatca | ccagctggga | agcaccgtca | aggaagataa | ctgtggggtc | 660 |
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| gtcttaaaag | gtcctgatca | cttatatctg | gaaacaaaa | ccctccaggg | gactaaaggt | 840 |
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| aaatttccag | acaaagagat | actgagaatg | gctggaccac | tcacagcaga | tttcattgtc | 960 |
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| aaacttccag | tcgaggccaa | gttgccatgg | ttcaaacaag | ctcaagagct | agaagaagga | 1680 |
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| tccgtggctg | acctgcctat | tgacgagtg | gaagggccca | agccagcatc | ccagcgtgcc | 1860 |
| tgttatgcag | gcccagtcag | cggggaaatt | cctgagttca | accagacga | gacagatggg | 1920 |

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<213> Homo sapiens

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<223> Incyte Clone No: 2484813

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| gttgaagaag | acaatactcc | attatcagtc | acagtgacgc | cctgtgatgc | gcctttggag | 360 |
| tggaagctga | gcctccagga | gctgccagag | gacaggagcg | gggaaggctc | aggtgatctg | 420 |
| gaacctcttg | agcagcagaa | gcagcagatc | attaatgagg | aaggcactga | gttattctcc | 480 |
| tacaaaggca | atgatgttga | gtattttata | tcgtctagtt | cccatccgg | tttatatcag | 540 |
| ttggatcttc | tttcaacaga | gaaagacaca | catttcaaag | tatatgccac | cacaactcca | 600 |
| gaatctgatc | agccataccc | tgagttaccc | tatgacccaa | gagtagatgt | gacctcactg | 660 |
| gggcgcacca | cggtcacttt | ggcctggaaa | ccaagcccca | ctgcctcttt | gctgaaacaa | 720 |
| cccattcagt | actgtgtggt | catcaacaaa | gagcacaatt | tcaaaagtct | ctgtgcagtg | 780 |
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| attcagaaaa | tctgcatagg | aaacaagaac | atcttcaccg | tctctgatct | gaaacccgac | 1020 |
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| gtctcttctc | acaaaaaagt | caccttcttt | attcactctt | gtctggatgc | tgtccaaatc | 1260 |
| caagtgagaa | gagatgggaa | acttcttctg | tctcagaatg | tggaaggcat | tcagcagttt | 1320 |
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| cctgaagaca | caagaatcaa | agcctttgac | aagctccgta | cctgttcctc | ggccaccgtg | 1500 |
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| accacagaaa | caattaaagg | tcttcagcct | ggcaaatctt | acctgctgga | tgtttatgtc | 1740 |
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| tgtagtttac | cttcttatag | agatatatta | tgtagaactc | caggagggac | attaaatcac | 1860 |
| tttaagtata | aactgactac | tcccacagtt | gagagaagtt | gtgacctgta | cttggtactat | 1920 |
| ggaaggaagg | atatcaacgt | gtgtatatgt | atgtttatat | aagtaactct | tgaaggagac | 1980 |

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<211> 672

<212> DNA

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<221> misc_feature

<223> Incyte Clone No: 2493851

<400> 260

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tgccagctct gcccttggg gggcaccagg caggactgcc agccgctctc ctggcagggtg 360
acatcagcct tcaagctcac tgtgccctca ccatttcatg ctcccccaag gtccctgggtca 420
tgtcttctct tgggtatctt ccaggacag gcactggcac tggagccctg gcacttgttt 480
ctgggttcca tgcttcccag gtgtgatggg gaatgctgag tgtcagcttg actggattga 540
aggatgcaaa gtattgtcac tgggtgtgtc tgtgaggggt ttgccagagg agattcccat 600
ttgagtcagt gggctgggag aggcagaccc accctcaatc caggtgggca ccacctaate 660
ggctgccagc aa 672

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<210> 261

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2495719

<400> 261

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ttttgaagat ggcggccctc aaggtctctg tgtccggctg tgggcggctt ctccgtgggc      180
tactagcggg ccgggcagcg accagctggt ctccgcttcc agctcgcggg ttcagggag      240
tggtggagac ccaagaaggg aagacaacta taattgaagg ccgtatcaca ggcactccca      300
aggagagtcc aaatcctcct aaccctctct gccagtgcc catctgccgt tggaacctga      360
agcacaagta taactatgac gatgttctgc tgcttagcca gttcatccgg cctcatggag      420
gcatgctgcc ccgaaagatc acaggcctat gccaggaaga acaccgcaag atcgaggagt      480
gtgtgaagat ggcccaccga gcaggctctat taccaaacta caggcctcgg ctctctgaag      540
gagttgttcc gaagagcaaa cccaactca accggtacct gacgcgctgg gctcctggct      600
ccgtcaagcc catctacaaa aaaggccccc gctggaacag ggtgcgcatg ccggtggggg      660
cacccttct gagggacaat gtctgctact caagaacacc ttggaagctg tatcactgac      720
agagagcagt gcttccagag ttctcctgc acctgtgctg gggagtagga ggccactca      780
caagcccttg gccacaacta tactcctgtc ccacccacc acgatggcct ggtccctcca      840
acatgcatgg acaggggaca gtgggactaa cttcagtacc cttggcctgc acagtagcaa      900
tgctgggagc tagaggcagg cagggcagtt gggtccttg ccagctgcta tggggcttag      960
gccatgctca gtgctgggga caggagtttt gcccaacgca gtgtcataaa ctgggttcac      1020
gggcttacct attgggtgtg cgctcactgc ttgggaagtg caggggggtcc tgggcacatt      1080
gccagctggg tgctgagcat tgagtcactg atctcttgat atggggccaa tgagtcaatt      1140
gaattcatgg gccaaacagg tcccatcctc ttcaaaaaaa aaa                        1183

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<210> 262

<211> 1266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2614153

<400> 262

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gcctgaccac gcagttcttg ggtctgtgct gctggcctgg gggtgtggtt gaggccgggt      60

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ctccgctcct gtgcccggga agatgggtgct aggtgggttgc ccggttagtt acttactttct 120
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ccactcgcaa aatgcgaccg ctgagcctga gctcacatcc gctggcgccg cccagccgga 240
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tctgaagctg aacaatgaaa atcttcagca gaaatagaaa tggccgtgga ttgtaataca 1200
cactgaaatt ctgactttct gaatttaaat gtagaataaa ttttaccac ttggaaaaaa 1260
aaaaaa 1266

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<210> 263

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2655184

<400> 263

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gatggcttgt ttttcatttt ttttgtgctt tttgttccat ctattaataa aaatgaaccc 60
cgttacagag tcaccatcat gtctcttctc accaccctct gaatctgcat tagccagtca 120
actagccctt tcagcgcat gtgaccagcg cgccccattc agcttggctg gtgtcgtttc 180

```

```

acatgaccca ggctggccag tcgtcaggtt gcaccgccct ttggttcccg agcatgctgt      240
tttctctcag ctttctctcc aaccttaacc aaatcggcag cagccacctc gaccgcccac      300
acattcctgg ccaatcagct cagctgttta ttaccaaagt gtcttcacaa caactacagc      360
agcagccttc ggctaacaaa aaagcaggaa aaatccacaa ccccccttc gccaaaccaac      420
taaatccaac gcaacatctg gcaaaacctt ttcagcaaag tcttcctggc cgtcagtcgg      480
gcagcctcac ctcaccattt ctagcttggt gaaacccaaa actaatctcc aagaaggaga      540
agcttctctc gcagccggag caggtccttt tctagagata ggagaagaga gagatcgctg      600
tctcgggaga gaaatcacaa gccgtcccg tcttctctta ggtctcgtag tcgatctagg      660
tcaaataaaa ggaaatagaa gacagtttgc aagagaagtg gtgtacagga aattacttca      720
tttgacagga gtatgtacag aaaattcaag ttttgtttga gacttcataa gcttggtgca      780
tttttaagat gtttttagctg ttcaaactctg tttgtctctt gaaacagtga cacaagggtg      840
taattctcta tggtttgaaa tggatcatac gaggcattga ataccaagaa ttgttacttt      900
acaatgttcc cttaagcaaa attgaatttg ctttgaactt ttagttatgc acagactgat      960
aataaacctc taaacctgcc cagcgggaagt gtgttttttt taaatttaaa tacagaacca     1020
ctggcaaaaa ttgaactaag atttactttt ttttccatag ctgggatata ggggggatcc     1080
tctagagtcg acc                                     1093

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<210> 264

<211> 1056

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2848362

<400> 264

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gcctgacatg cctgacctc tcttttctgc agttcaaggg aaagacgaga tcttgacaaa      60
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cttactcttt gtcacagagc tgtccggagc ccacaacacc acagtgttcc agggcggtggc     180
gggccagtcc ctgcaggtgt cttgccctta tgactccatg aagcactggg ggaggcgcaa     240
ggcctgggtg cgccagctgg gagagaaggg cccatgccag cgtgtggtca gcacgcacaa     300
cttgtggctg ctgtccttcc tgaggaggtg gaatgggagc acagccatca cagacgatac     360
cctgggtggc actctcacca ttacgtctgc gaatctacaa ccccatgatg cgggtctcta     420

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```

ccagtgccag agcctccatg gcagtgagggc tgacaccctc aggaagggtcc tgggtggaggt 480
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gagcttcgag gatgccccatg tggagcacag catctccagg agcctcttgg aaggagaaat 600
ccccttccca cccacttcca tctttctct cctggcctgc atctttctca tcaagattct 660
agcagccagc gccctctggg ctgcagcctg gcatggacag aagccaggga cacatccacc 720
cagtgaactg gactgtggcc atgaccagg gtatcagctc caaactctgc cagggtctgag 780
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ccagcctgca tacttgccac ttggccacca ggactccttg ttctgctctg gcaagagact 900
actctgcctg aacactgctt ctctggacc ctggaagcag ggactggttg agggagtggg 960
gaggtggtaa gaacacctga caacttctga atattggaca ttttaaacac ttacaaataa 1020
atccaagact gtcatattta gctggaaaaa aaaaaa 1056

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<210> 265

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 265

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tcctgcctc tgggttctag ggtgctgcgc cctgtcctc tcgtgtggg cgtgtgcac 180
agcctgccgc agggccgagg acgtgtagc cccaggaag agggcgcgga ggcagcgggc 240
gaggctgcag ggcagtgcga cggcggcgga agcgtcccta ctgaggcgga cccacctctg 300
ctccctcagc aagtcggaca ccagactgca cgagctgcac cggggcccgc gcagcagcag 360
ggccctgcgg cctgccagca tggatctcct gcgccacac tggctggagg tgtccaggga 420
catcaccgga ccgcaggcag cccctctgc cttccacac caggagctgc cccgggtct 480
gccggcagct gcagccaccg cagggtgcgc tggcctcgag gccacctatt ccaacgtggg 540
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cgtccagaag cgcaaaggga cccatcgag tcccaagag ccacagcagg ggaagactga 660
ggtgaccccg gccgctcagg tggacgtcct gtactccagg gtctgcaagc ctaaaaggag 720
ggaccagga cccaccacag acccgctgga cccaagggc cagggagcga ttctggccct 780

```

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ggcgggtgac ctggcctacc agaccctccc gctcagggcc ctggatgtgg acagcggccc      840
cctggaaaac gtgtatgaga gcatccggga gctgggggac cctgctggca ggagcagcac      900
gtgcggggct gggacgcccc ctgcttccag ctgccccagc ctagggaggg gctggagacc     960
cctccctgcc tccctgcctt gaacactcaa ggacctgtgc tccttcctcc agagtgaggc    1020
ccgtcccccg ccccgccccg cctcacagct gacagcgcca gtcccaggtc cccgggcccgc    1080
cagcccgtga ggtccgtgag gtccctggccg ctctgacagc cgcggcctcc ccgggcatcc    1140
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<210> 266

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2899137

<400> 266

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gcatgtcatg gccgcctcca tggccccggg aggcgtgagt gccagggttc tactgcaggc      60
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gctggggaca accagaaagt ttcaagcgac aggcctcgcg ccggctggag aggaggacgc    180
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gcggatccca gtgagtggca gagtcgggga caatgttctt cacctggccc agcgccacgg    300
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gagtgaagac cacctggatc tctgcctcc tcccaggag agggaagacg acatgctaga    420
catggcccc ctctccagg agaactcgcg gctgggctgc cagattgtgc tgacaccgga    480
gctggaagga gcggaattca ccctgcccaa gatcaccagg aacttctacg tggatggcca    540
tgtccccaag cccactgac atgaacacct ggaccattcc acattgccat ggccccaggg    600
cccagattga gggaaatagc aggtgccagc cctgccaga gtgcggacag gcccgggaga    660
gacgtggaag cccctgtgaa ggacaacacc cctgcttggg agagagtccc atgtccaggc    720
tctggtgggg acagggcccc tagtggggtg gccttcccca ggcccctgag aatcagggtt    780
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<210> 267
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2986229

<400> 267
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 tatatgagtt aatagtaatt atagtcaagc tgggggttaa aatttggtgt agatgatgca 180
 tacttgggga taattaagag taccatctaa ttttctgtca ctttagaaag gaacaagtgg 240
 caactttgtt gactatgtgg agaaagccag atgttcttta ctcagtaata cctgttactt 300
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 tggaaactgaa actacggatc ttccgacttc tggatgttcg ttccgtcttg tctttgtctg 420
 cggtttgtcg tgacctctt actgcttcaa atgacctact cctgtggagg tttttatata 480
 tgcgtgattt tcgaggtgat ttccgtaatg acatattcac aagaaagggc tcttattgtc 540
 ttgattactc agctcaccaa aagtttttag ttgtaggatt tttctgttgc aaatgattac 600
 aataaaa 606

<210> 268
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3222081

<400> 268
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 cgcgattggg acagtcgcca gggatggctg agcgtgaaga tgcagcgggt gtccgggctg 180
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 cggcagcccc ggatcatgga agagaaagcg ctagaggttt atgatttgat tagaactata 300
 cgggaccag aaaagcccaa tactttagaa gaactggaag tgggtctcga aagttgtgtg 360
 gaagttcagg agataaatga agaagaatat ctgggttatta tcaggttcac gccaacagta 420
 cctcattgct ctttggcgac tcttattggg ctgtgcttaa gagtaaaact tcagcgatgt 480

ttaccattta aacataagtt ggaaatctac atttctgaag gaaccctctc aacagaagaa 540
gacatcaata agcagataaa tgacaaagag cgagtggcag ctgcaatgga aaacccaac 600
ttacgggaaa ttgtggaaca gtgtgtcctt gaacctgact gatagctgtt ttaagagcca 660
ctggcctgta attgtttgat atatttggtt aaactctttg tataatgtca gagactcatg 720
tttaatacat aggtgatttg tacctcagag ctttttttaa aggattcttt ccaagcgaga 780
tttaattata aggtagtacc taatttggtc aatgtataac attctcagga ttgtaacac 840
ttaaagatgc agacagaata atattttcta gttattatgt gtaagatgag ttgctatgtt 900
tctgatgctc attctgatac aactatgttt cgtgtcaa atctactgtg cccaaatgta 960
ctcaatttaa atcattactc tgtaaaataa ataagcagat gattcttata atgaaaaaaaa 1020
aaaaa 1025

<210> 269

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
6xHis tag

<400> 269

His His His His His His
1 5